

# **C-TECH** **IMPLANT** **SYSTEM**

# Science





# Meets Passion

REBUILDING SMILES WITH SCIENCE, PASSION AND QUALITY

**Science; a discipline governed by rational thought. Passion; an intense feeling that is anything but rational. These 2 ingredients join together at C-TECH, driving us to innovate and create a large range of solutions in implantology. These solutions are always produced with the highest regard for quality and safety through our own production facilities which are in turn governed by the highest European standards governing medical products. Regular and independent audits of our production processes further guarantee vigilance in all aspects of safety and quality.**







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## Implant Systems

### EL System

#### Esthetic Line Implants

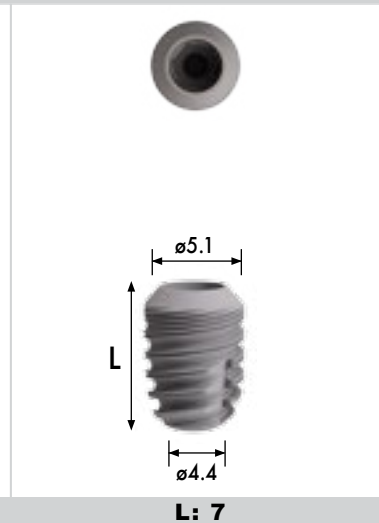
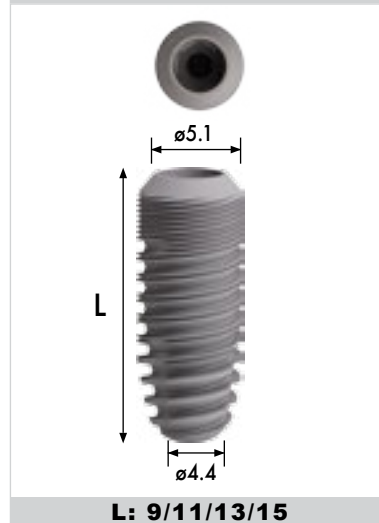
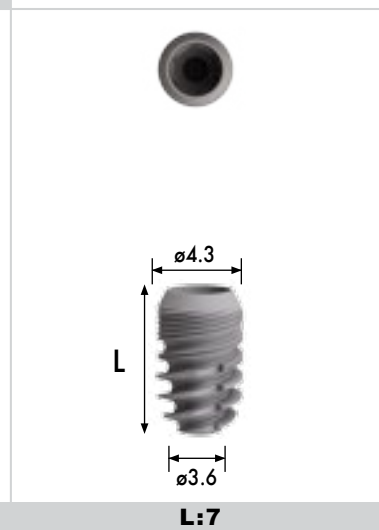
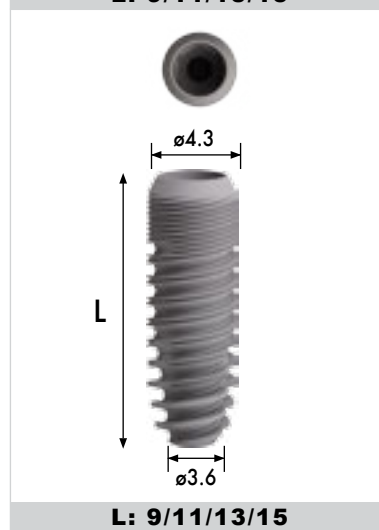
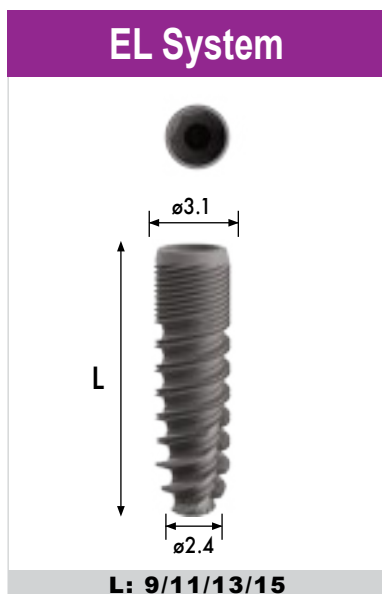
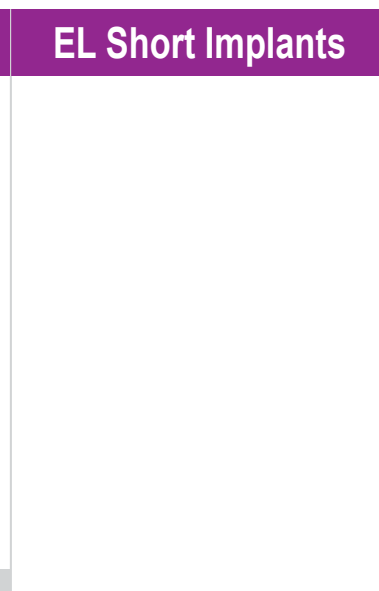
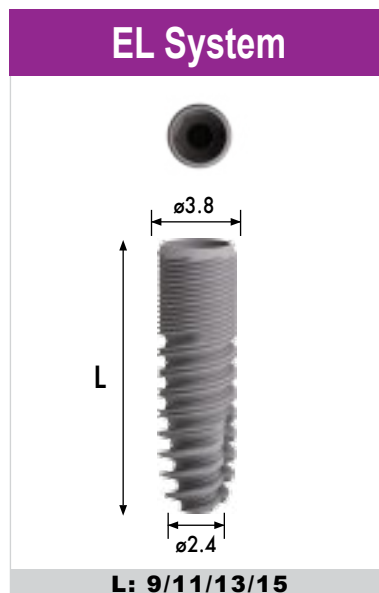
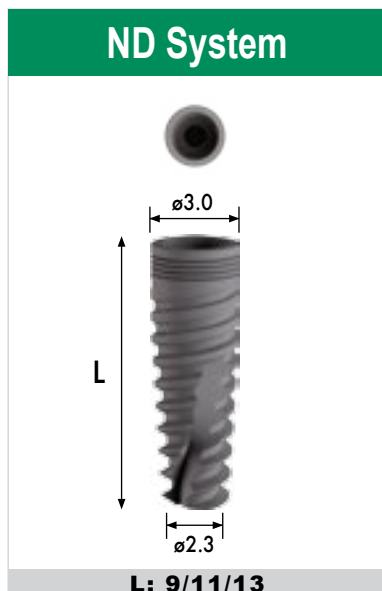
|                                                         |           |
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### ND System

#### Narrow Diameter 2 Piece Implants

|                                                        |           |
|--------------------------------------------------------|-----------|
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## Fixture Diagram









# EL

## ESTHETIC LINE implant



|                                                         |           |
|---------------------------------------------------------|-----------|
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**C-TECH**

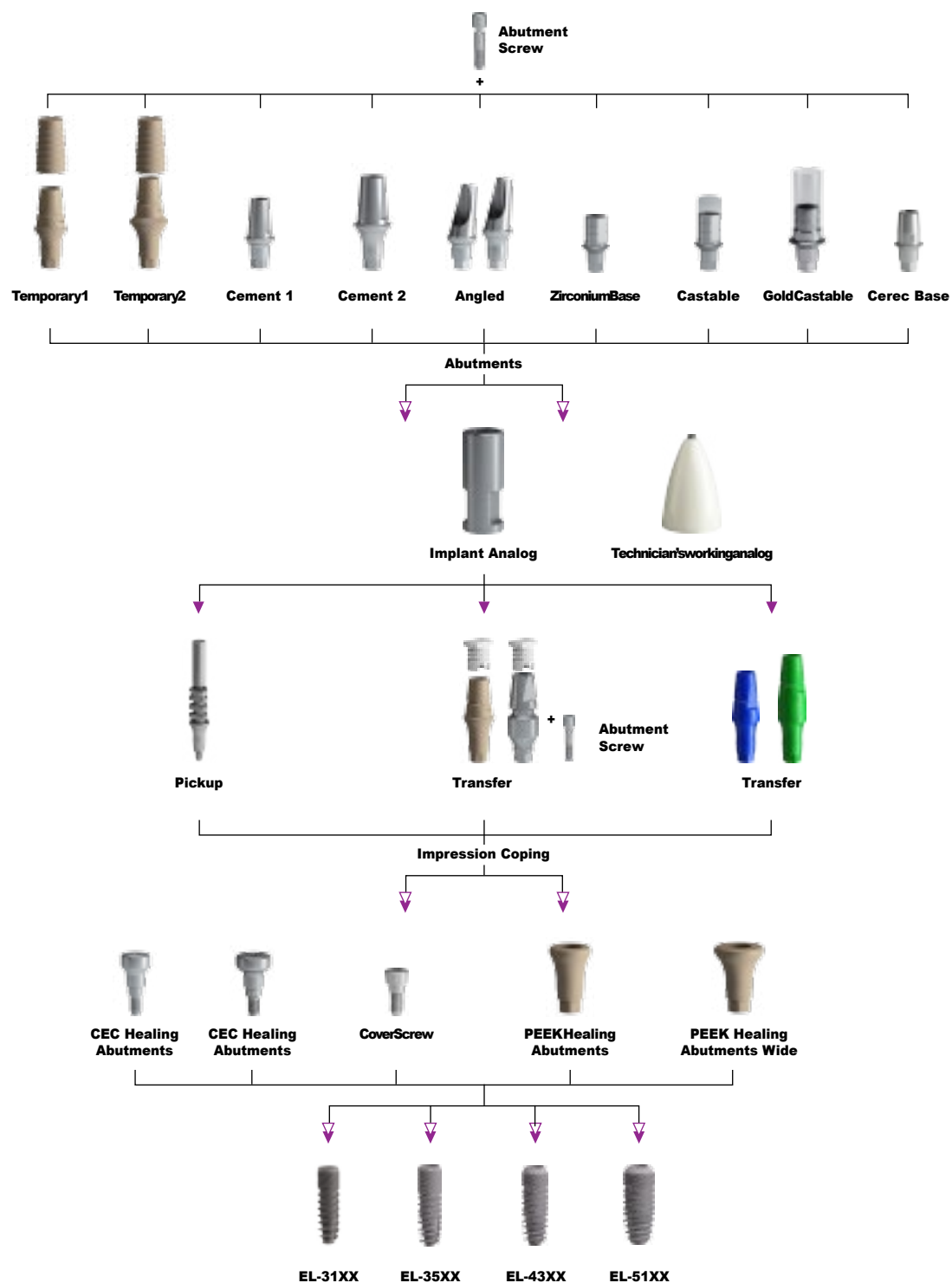
[www.c-tech-implant.com](http://www.c-tech-implant.com)

## System Flowchart

**Cement-Retained Restorations - Cemented Abutment**

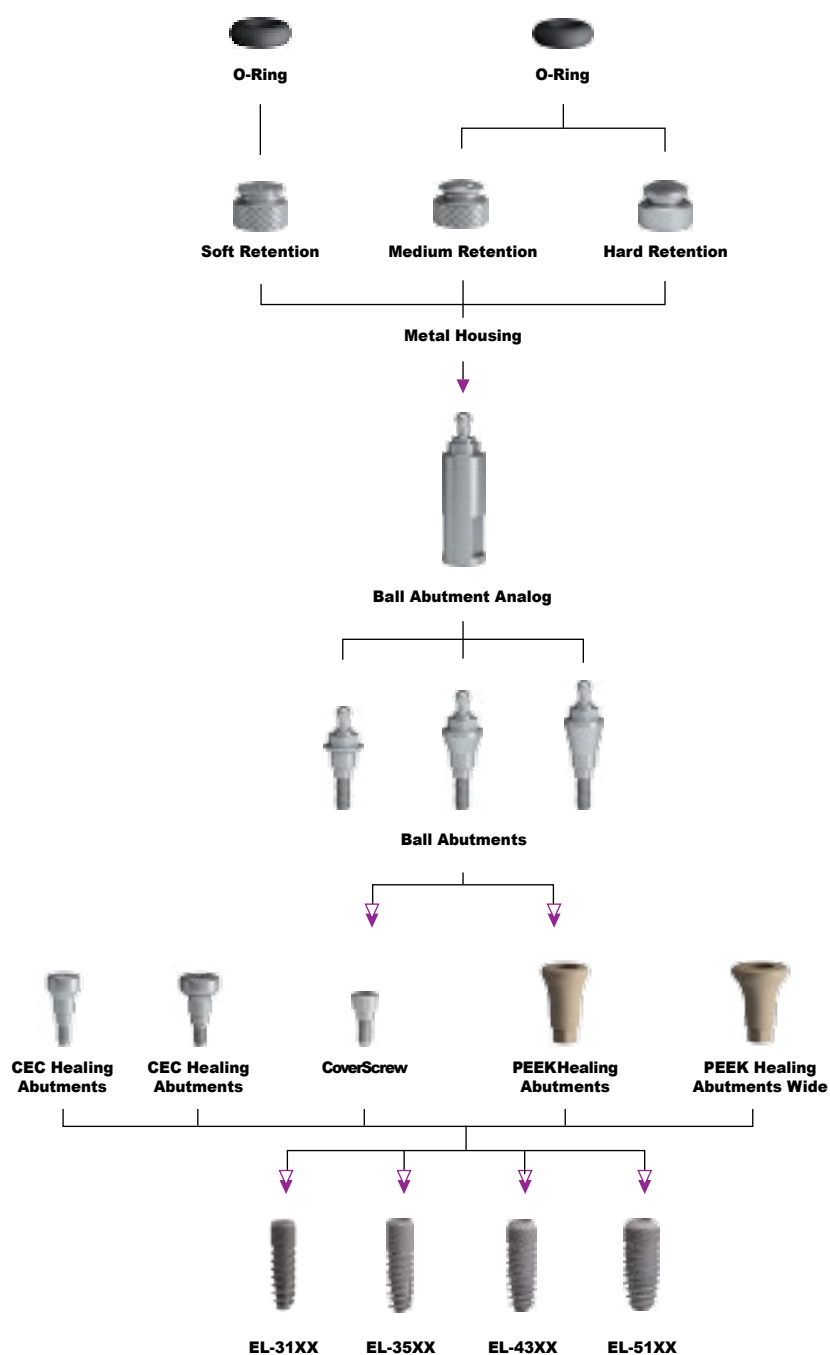
**Cement-Retained Restorations - Angled Abutment**

**Screw-Retained Restorations - UCLA Abutment**



## System Flowchart

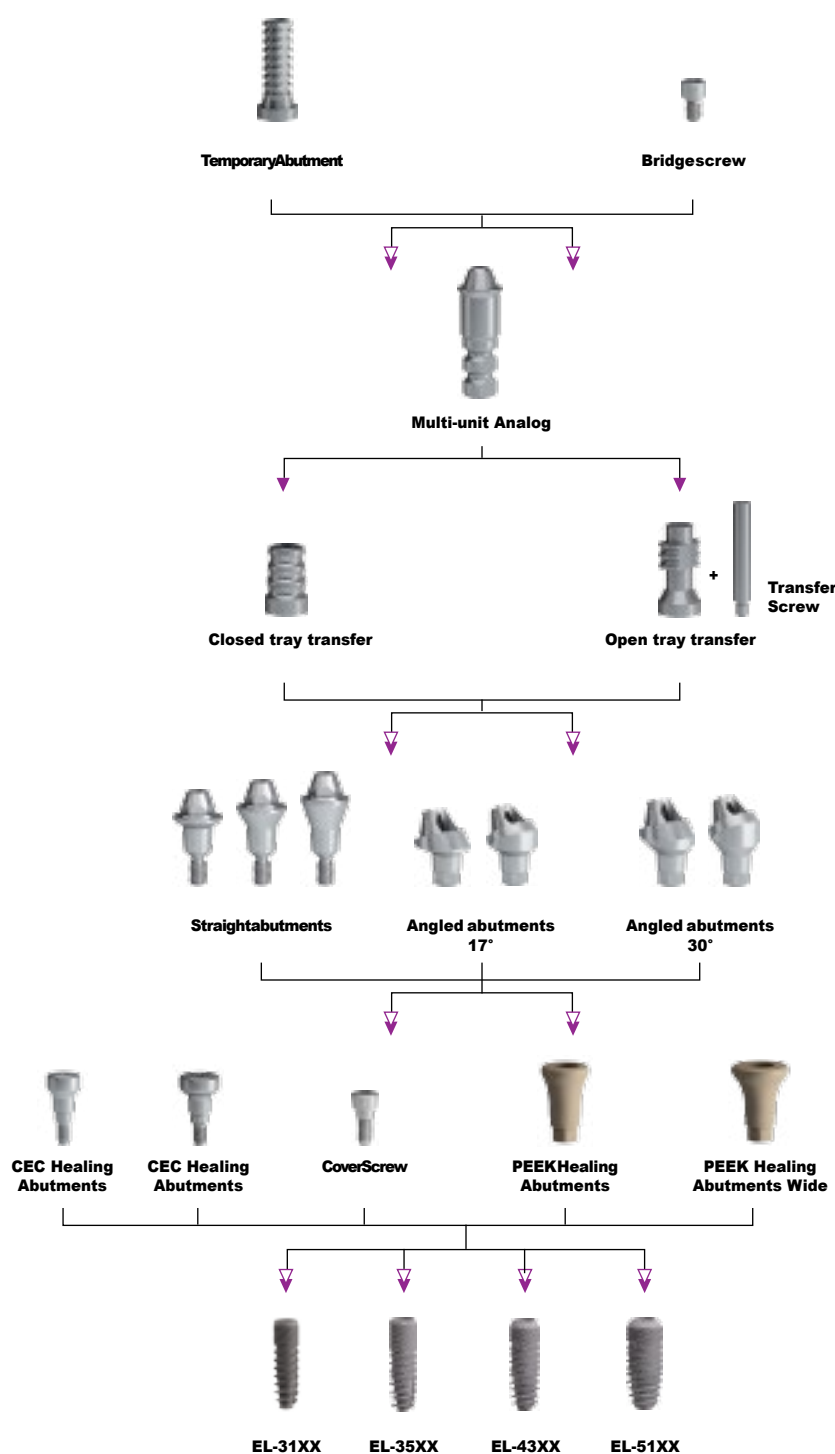
### Overdenture-Retained Restorations - Ball Abutment





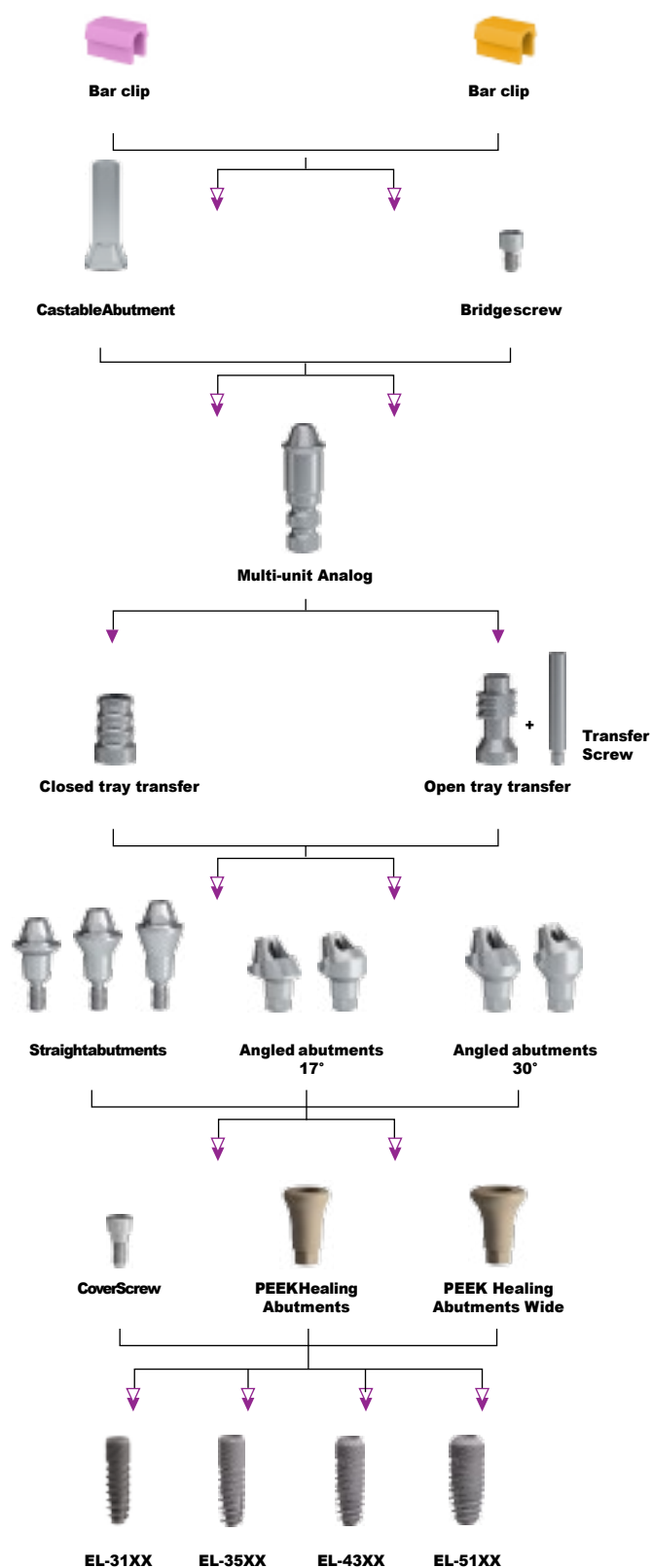
## System Flowchart

### Screw-Retained Multi-Unit Restorations



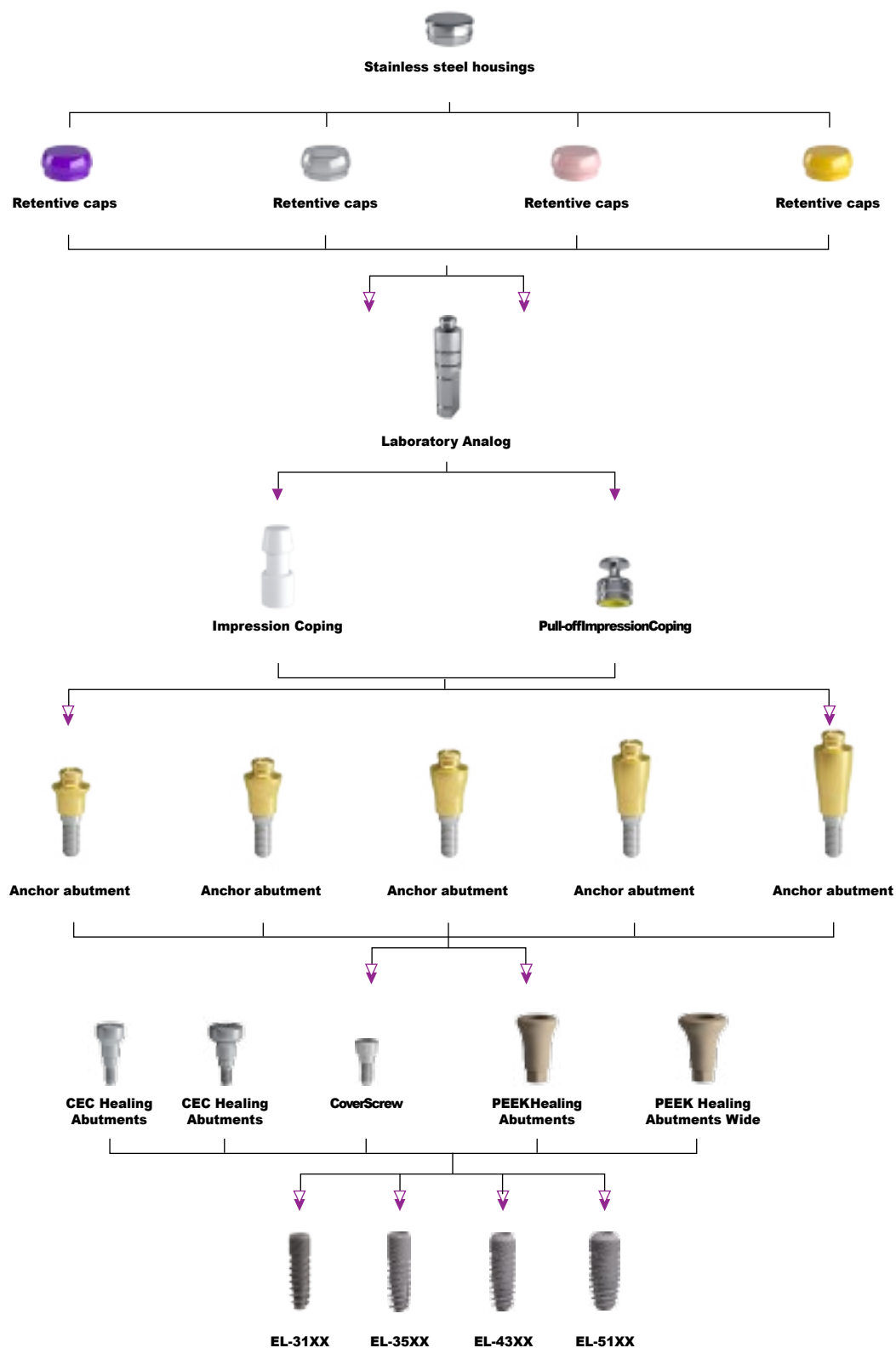
## System Flowchart

### Bar Retained Restorations



## System Flowchart

### Anchor Abutment Retained System







## Product Distinctions

### 1 Bone Level Implant Subcrestal Seating

- Hinders exposure of the implant through bone resorption
- Ideal for the esthetic zone
- Long term esthetic stability

### 2 Platform Switching

- Reduces bone loss
- Better representation of the biological width
- Long term esthetic stability

### 3 Bevelled Shoulder

- Facilitates bone growth above the shoulder
- Long term implant stability
- Biological repartition of the forces in cortical bone

### 4 Micro Grooving

- Softens forces to the cortical bone during insertion
- Cortical bone maintenance

### 5 Double Lead Thread

- Insertion rate of 1mm per rotation
- Primary stability
- Increased bone to implant contact
- Faster and even insertion while protecting bone structure

### 6 Thread in Thread / Groove in Groove

- Increased bone to implant contact

### 7 Three Different Threading Profiles

- Thread designs adapted to different bone structures that occur along the depth of the implant
- Enhanced surface
- Round but cutting apex design

### 8 Aggressive Apical Design

- Ideal for immediate implant placement
- Primary stability

### 9 Rounded Apex

- Protection of the sinus floor, nerve canal and other important anatomical structures during insertion

### 10 Grit Basted and Acid Etched Surface Topography

- Best surface for osseo integration and bone to implant contact



### **A** Morse Locking Conical Connection

- Elimination of micro-movements
- Elimination of screw loosening

### **B** Indexing Hex

- Antirotational security

### **C** One Connection for All 3 Diameters

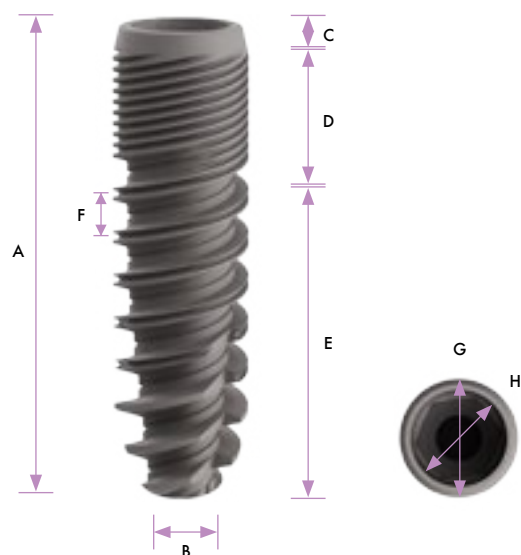
- Simplifies the system
- Reduces inventory
- Ease of use

### **D** Concave Esthetic Concept

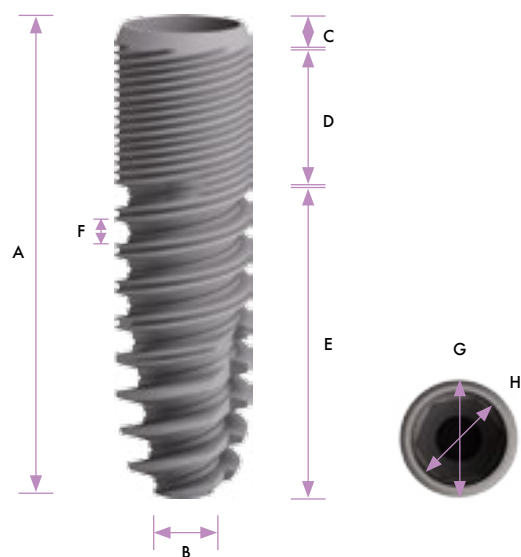
- Non surgical thickening of the peri-implantary tissue
- Facilitation of the papilla reconstruction-technique



## Fixture Dimensions

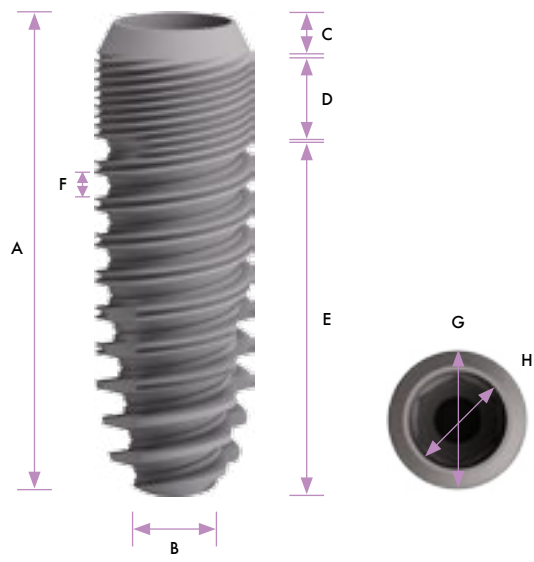


| Ø | 3.1   | 3.1   | 3.1   |
|---|-------|-------|-------|
| A | 9     | 11    | 13    |
| B | 1.4   | 1.4   | 1.4   |
| C | 0.64  | 0.64  | 0.64  |
| D | 3     | 3     | 3     |
| E | 5.36  | 7.36  | 9.36  |
| F | 0.5   | 0.5   | 0.5   |
| G | 3.1   | 3.1   | 3.1   |
| H | 1.705 | 1.705 | 1.705 |

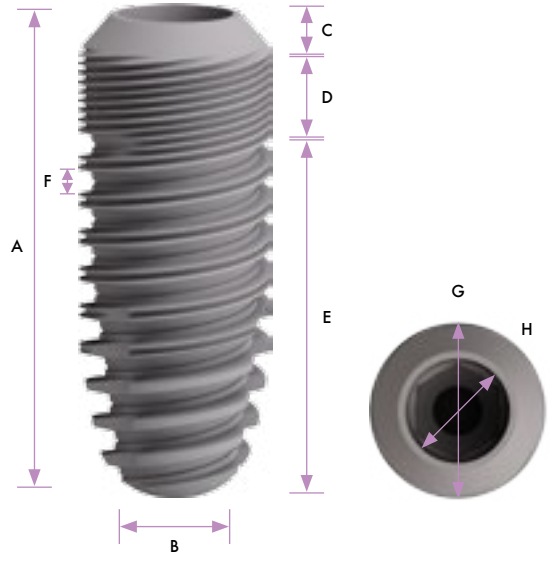


| Ø | 3.8  | 3.8  | 3.8  | 3.8   |
|---|------|------|------|-------|
| A | 9    | 11   | 13   | 15    |
| B | 2.4  | 2.4  | 2.4  | 2.4   |
| C | 0.5  | 0.5  | 0.5  | 0.5   |
| D | 2.86 | 3.31 | 3.31 | 3.31  |
| E | 5.64 | 7.19 | 9.19 | 11.19 |
| F | 1.5  | 1.5  | 1.5  | 1.5   |
| G | 3.8  | 3.8  | 3.8  | 3.8   |
| H | 3    | 3    | 3    | 3     |

Fixture Dimensions



| Ø | 4.3 | 4.3  | 4.3  | 4.3   | 4.3   |
|---|-----|------|------|-------|-------|
| A | 7   | 9    | 11   | 13    | 15    |
| B | 3.6 | 3.6  | 3.6  | 3.6   | 3.6   |
| C | 1   | 1    | 1    | 1     | 1     |
| D | 1   | 1.81 | 1.81 | 1.81  | 1.81  |
| E | 5   | 6.19 | 8.19 | 10.19 | 12.19 |
| F | 1.5 | 1.5  | 1.5  | 1.5   | 1.5   |
| G | 4.3 | 4.3  | 4.3  | 4.3   | 4.3   |
| H | 3   | 3    | 3    | 3     | 3     |



| Ø | 5.1 | 5.1  | 5.1  | 5.1   | 5.1   |
|---|-----|------|------|-------|-------|
| A | 7   | 9    | 11   | 13    | 15    |
| B | 4.4 | 4.4  | 4.4  | 4.4   | 4.4   |
| C | 1   | 1    | 1    | 1     | 1     |
| D | 1   | 1.81 | 1.81 | 1.81  | 1.81  |
| E | 5   | 6.19 | 8.19 | 10.19 | 12.19 |
| F | 1.5 | 1.5  | 1.5  | 1.5   | 1.5   |
| G | 5.1 | 5.1  | 5.1  | 5.1   | 5.1   |
| H | 3   | 3    | 3    | 3     | 3     |

## Healing Abutments

### CEC PEEK Healing Abutments Ø 4.5



| D   | L   | Fixture | C | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|-----|-----|---------|---|----------|-------|-------|
| 4.5 | 2.5 | 2       |   | EL-4502H |       |       |
|     | 3.5 | 3       |   | EL-4503H |       |       |
|     | 4.5 | 4       |   | EL-4504H |       |       |
|     | 6.5 | 6       |   | EL-4506H |       |       |

- Accommodates subcrestal implant seating
- Tightening torque 10 Ncm
- Uses 1.25 prosthetic driver
- Material: PEEK
- Includes prosthetic screw

### CEC PEEK Healing Abutments Ø 5.5



| D   | L   | Fixture | C | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|-----|-----|---------|---|----------|-------|-------|
| 5.5 | 2.5 | 2       |   | EL-5502H |       |       |
|     | 3.5 | 3       |   | EL-5503H |       |       |
|     | 4.5 | 4       |   | EL-5504H |       |       |
|     | 6.5 | 6       |   | EL-5506H |       |       |

- Accommodates subcrestal implant seating
- Tightening torque 10 Ncm
- Uses 1.25 prosthetic driver
- Material: PEEK
- Includes prosthetic screw

\* Healing abutments h. 4 and 6 use screw EL-5052HXL

### CEC TITANIUM Healing Abutments Ø 4.5



| D   | L   | Fixture | C | Ø 3.8     | Ø 4.3 | Ø 5.1 |
|-----|-----|---------|---|-----------|-------|-------|
| 4.5 | 2.5 | 2       |   | EL-4502HT |       |       |
|     | 3.5 | 3       |   | EL-4503HT |       |       |
|     | 4.5 | 4       |   | EL-4504HT |       |       |
|     | 6.5 | 6       |   | EL-4506HT |       |       |

### CEC TITANIUM Healing Abutments Ø 5.5

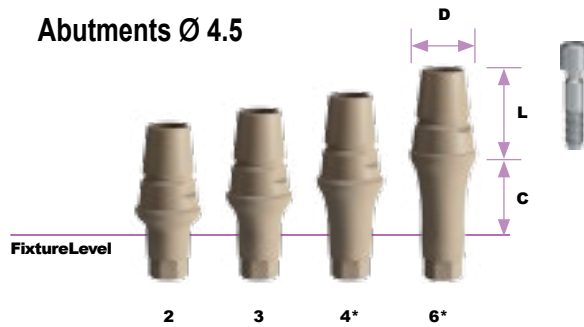


| D   | L   | Fixture | C | Ø 3.8     | Ø 4.3 | Ø 5.1 |
|-----|-----|---------|---|-----------|-------|-------|
| 5.5 | 2.5 | 2       |   | EL-5502HT |       |       |
|     | 3.5 | 3       |   | EL-5503HT |       |       |
|     | 4.5 | 4       |   | EL-5504HT |       |       |
|     | 6.5 | 6       |   | EL-5506HT |       |       |



## CEC PEEK Temporary Abutments

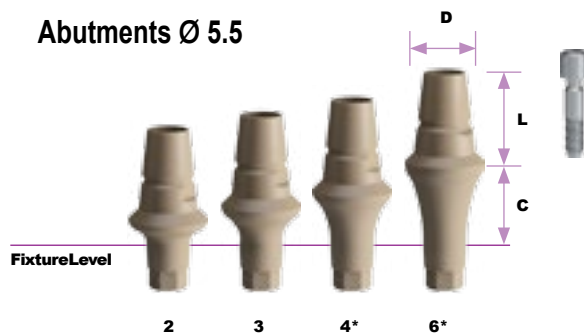
### Abutments Ø 4.5



| L   | D   | C | Fixture | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|-----|-----|---|---------|----------|-------|-------|
| 5.7 | 4.5 |   | 2       | EL-4502P |       |       |
|     |     |   | 3       | EL-4503P |       |       |
|     |     |   | 4       | EL-4504P |       |       |
|     |     |   | 6       | EL-4506P |       |       |

- Material: PEEK
- Includes screw
- Together with the EL-4543 Tempcap, the EL PEEK temporary abutments can be used to stabilize a prosthesis
- Together with the EL-4506P impression cap the EL PEEK temporary abutments can be used as closed tray impression posts
- Tightening torque 25 Ncm

### Abutments Ø 5.5

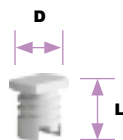


| L   | D   | C | Fixture | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|-----|-----|---|---------|----------|-------|-------|
| 5.7 | 5.5 |   | 2       | EL-5502P |       |       |
|     |     |   | 3       | EL-5503P |       |       |
|     |     |   | 4       | EL-5504P |       |       |
|     |     |   | 6       | EL-5506P |       |       |

- Material: PEEK
- Includes screw
- Together with the EL-4543 Tempcap, the EL PEEK temporary abutments can be used to stabilize a prosthesis
- Together with the EL-4506P impression cap the EL PEEK temporary abutments can be used as closed tray impression posts
- Tightening torque 25 Ncm

\* Temporary abutments h. 4 and 6 use screw EL-5052HXL

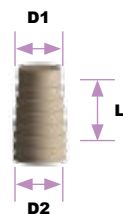
### Impression Cap



| L | D | Item#   |
|---|---|---------|
| 5 | 4 | BL-4546 |

- Material POM

### Temp cap

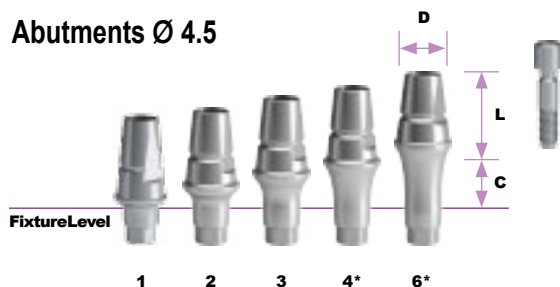


| L   | D1   | D2  | Item#   |
|-----|------|-----|---------|
| 7.8 | 3.59 | 4.5 | EL-4543 |

- Material: PEEK

## CEC Titanium Final Abutments

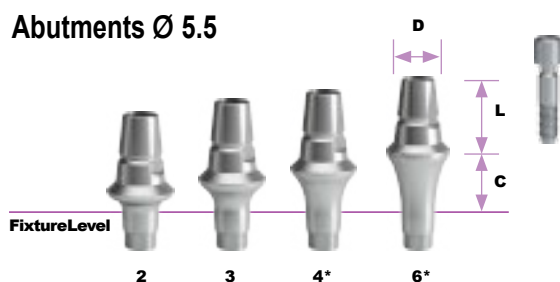
### Abutments Ø 4.5



| L | D   | C | Fixture | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|---|-----|---|---------|----------|-------|-------|
| 6 | 4.5 |   | 1       | EL-4501F |       |       |
|   |     |   | 2       | EL-4502F |       |       |
|   |     |   | 3       | EL-4503F |       |       |
|   |     |   | 4       | EL-4504F |       |       |
|   |     |   | 6       | EL-4506F |       |       |

- Morse tapered locking titanium abutments
- ExtractorSystem allow easy removal from implant and analog
- Concave esthetic concept for maximal soft tissue development
- Tightening torque 25 Ncm
- Includes prosthetic screw

### Abutments Ø 5.5



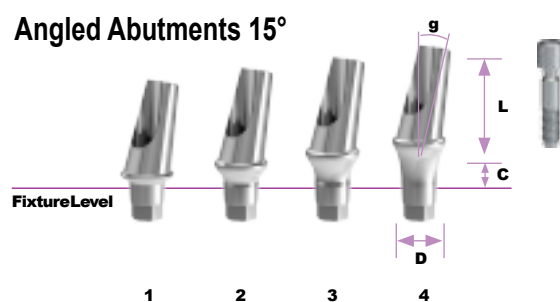
| L | D   | C | Fixture | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|---|-----|---|---------|----------|-------|-------|
| 7 | 5.5 |   | 2       | EL-5502F |       |       |
|   |     |   | 3       | EL-5503F |       |       |
|   |     |   | 4       | EL-5504F |       |       |
|   |     |   | 6       | EL-5506F |       |       |

- Morse tapered locking titanium abutments
- ExtractorSystem allow easy removal from implant and analog
- Concave esthetic concept for maximal soft tissue development
- Tightening torque 25 Ncm
- Includes prosthetic screw



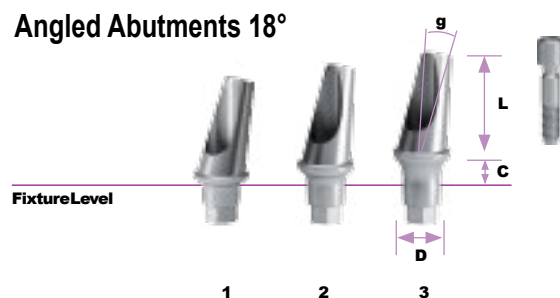
\* Final abutments h. 4 and 6 use screw EL-5052HXL

### Angled Abutments 15°



| L    | D   | C | Fixture | G   | Ø 3.8  | Ø 4.3 | Ø 5.1 |
|------|-----|---|---------|-----|--------|-------|-------|
| 7.75 | 4.5 |   | 1       | 15° | EL-151 |       |       |
|      |     |   | 2       |     | EL-152 |       |       |
|      |     |   | 3       |     | EL-153 |       |       |
|      |     |   | 4       |     | EL-154 |       |       |

### Angled Abutments 18°



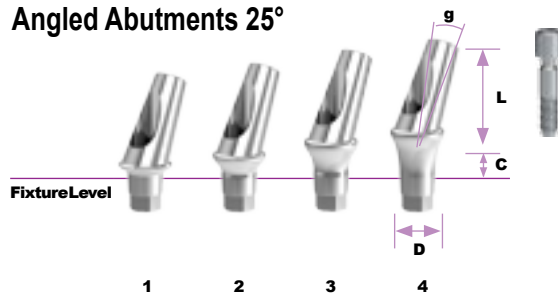
| L   | D   | C | Fixture | G   | Ø 3.8     | Ø 4.3 | Ø 5.1 |
|-----|-----|---|---------|-----|-----------|-------|-------|
| 7.7 | 4.5 |   | 1       | 18° | EL-4518/1 |       |       |
|     |     |   | 2       |     | EL-4518/2 |       |       |
|     |     |   | 3       |     | EL-4518/3 |       |       |



- Morse tapered locking titanium abutments
- ExtractorSystem allow easy removal from implant and analog
- Concave esthetic concept for maximal soft tissue development
- Tightening torque 25 Ncm
- Includes prosthetic screw

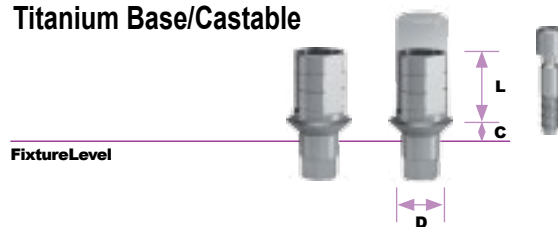
## CEC Titanium Final Abutments

### Angled Abutments 25°



| L   | D   | C | Fixture | G   | Ø 3.8  | Ø 4.3 | Ø 5.1 |
|-----|-----|---|---------|-----|--------|-------|-------|
| 7.6 | 4.5 |   | 1       | 25° | EL-251 |       |       |
|     |     |   | 2       |     | EL-252 |       |       |
|     |     |   | 3       |     | EL-253 |       |       |
|     |     |   | 4       |     | EL-254 |       |       |

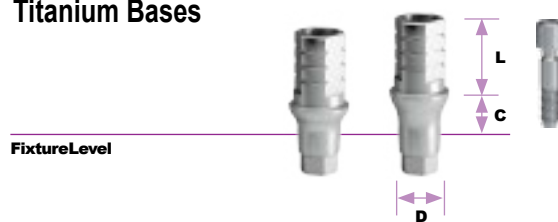
### Titanium Base/Castable



| L | D   | C   | Fixture | Ø 3.8            | Ø 4.3 | Ø 5.1 |
|---|-----|-----|---------|------------------|-------|-------|
| 5 | 4.2 | 0.5 |         | BL-6046          |       |       |
|   |     |     |         | BL-6045 CASTABLE |       |       |

- Morse tapered locking titanium abutments
- Extractor System allow easy removal from implant and analog
- Concave aesthetic concept for maximal soft tissue development
- Tightening torque 25 Ncm
- Includes prosthetic screw

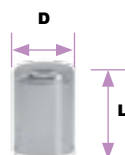
### Titanium Bases



| L    | D   | C | Fixture | Ø 3.8     | Ø 4.3 | Ø 5.1 |
|------|-----|---|---------|-----------|-------|-------|
| 5.15 | 4.2 |   | 2       | EL-6049   |       |       |
|      |     |   | 3       | EL-6049/3 |       |       |

- Morse tapered locking titanium abutments
- Extractor System allow easy removal from implant and analog
- Concave aesthetic concept for maximal soft tissue development
- Tightening torque 25 Ncm
- Includes prosthetic screw

### Casting Cylinder

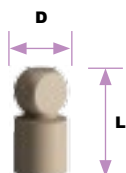


| L   | D   | Item#               |
|-----|-----|---------------------|
| 6.5 | 4.3 | EL-CAST - EL-CAST/4 |

Package content:  
EL-CAST 1 piece  
EL-CAST/4 4 pieces

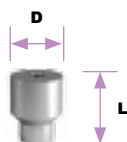
## CEC Titanium Final Abutments

### Scan Abutment



| L     | D   | Item#   |
|-------|-----|---------|
| 10.61 | 4.8 | EL-SCAN |

### Multi unit Scan Abutment



| L  | D | Item#      |
|----|---|------------|
| 10 | 8 | EL-MUASCAN |

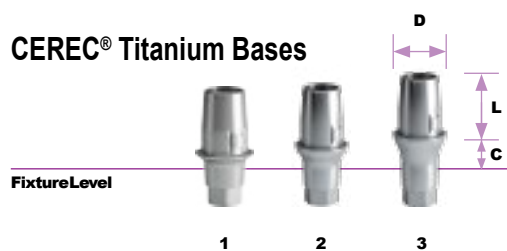
### Gold Castable Abutment



| L   | D | Item#   |
|-----|---|---------|
| 8.8 | 5 | BL-6048 |

- Material: Gold base and delrin casting cylinder
- Includes internal screw

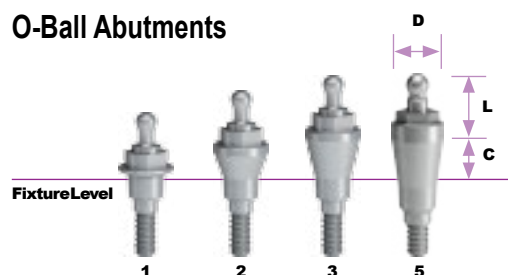
### CEREC® Titanium Bases



| L    | D    | Fixture<br>C | Ø 3.8     | Ø 4.3 | Ø 5.1 |
|------|------|--------------|-----------|-------|-------|
| 4.65 | 4.25 | 1            | BL-6047   |       |       |
|      |      | 2            | BL-6047H2 |       |       |
|      |      | 3            | BL-6047H3 |       |       |

## Overdenture - O-ball Retained Restorations

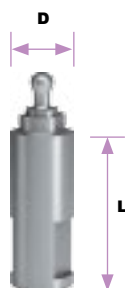
### O-Ball Abutments



| L   | D | C | Fixture | Ø 3.8   | Ø 4.3 | Ø 5.1 |
|-----|---|---|---------|---------|-------|-------|
| 3.7 | 4 |   | 1       | BL-5641 |       |       |
|     |   |   | 2       | BL-5642 |       |       |
|     |   |   | 3       | BL-5643 |       |       |
|     |   |   | 5       | BL-5645 |       |       |

- Set includes: Abutment, Housing and O-ring
- Material: Titanium grade 5 and Housing in Titanium grade 5 and ring in FDA Buna
- Tightening torque 25 Ncm

### O-Ball Abutments Analog



| L    | D | Item#   |
|------|---|---------|
| 11.5 | 4 | BL-5144 |

- Provides anchor point for ball abutment on working model
- Material: Titanium grade 5

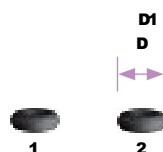
### O-Ball Abutments Housings



| L    | D    | Item# | Retention       |
|------|------|-------|-----------------|
| 3.5  | 4.6  | MCH-1 | Soft Retained   |
| 3.2  | 4.21 | MCH-2 | Medium Retained |
| 2.97 | 4    | MCH-3 | Hard Retained   |

- Housing with replaceable O-ring
- Material: Titanium Grade 5 and FDA Buna

### O-Ring

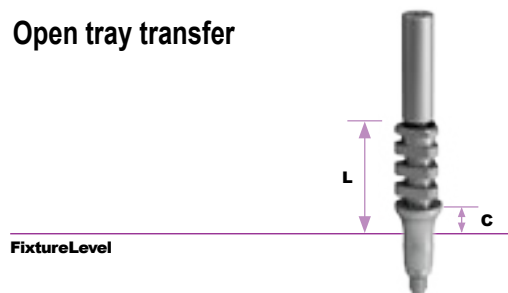


| D    | Item#    |
|------|----------|
| 3.88 | MC-3005  |
| 4.46 | MC-3005B |

- Package Contents: O-Ring (5 piece)
- Material: FDA Buna

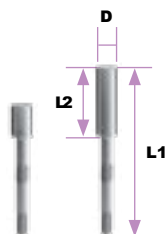
## Impression Transfer

### Open tray transfer



| L    | C   | Item#    |
|------|-----|----------|
| 12.3 | 4.3 | EL-4544S |

### Post screw



| L1   | L2 | D | Item#    |
|------|----|---|----------|
| 20.7 | 6  | 4 | BL-5050S |
| 24.7 | 10 | 4 | BL-5050L |

- Material: Titanium grade 5

### Implant analog



| L    | D | Item#   |
|------|---|---------|
| 11.5 | 4 | EL-5143 |

- Material: Titanium grade 5

### Technician's Working Analog

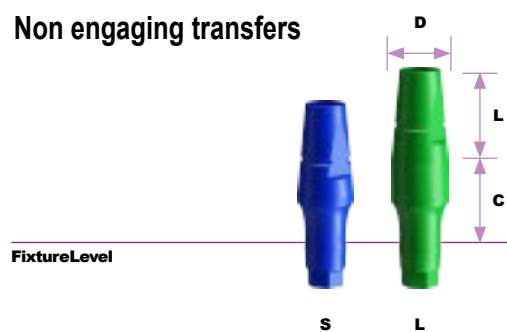


| L  | D | Item#      |
|----|---|------------|
| 45 | 4 | BL-LAB5143 |



## Impression Transfer

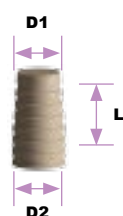
### Non engaging transfers



| L   | D    | C | Fixture | Ø 3.8    | Ø 4.3 | Ø 5.1 |
|-----|------|---|---------|----------|-------|-------|
| 6.5 | 4.02 |   | S       | EL-4540  |       |       |
|     |      |   | L       | EL-4540L |       |       |

- Transfers without morse locking effect

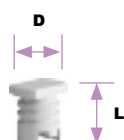
### Temp cap



| L   | D1   | D2  | Item#   |
|-----|------|-----|---------|
| 7.8 | 3.59 | 4.5 | EL-4543 |

- Material: PEEK

### Impression cap

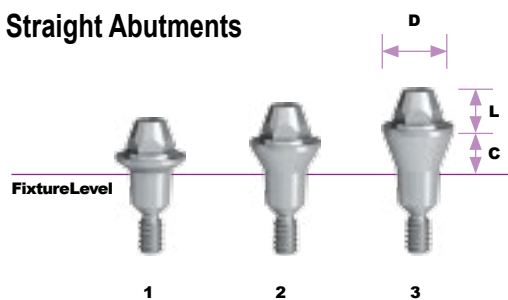


| L | D | Item#   |
|---|---|---------|
| 5 | 4 | BL-4546 |

- Material: POM

## Screw Retained Restorations

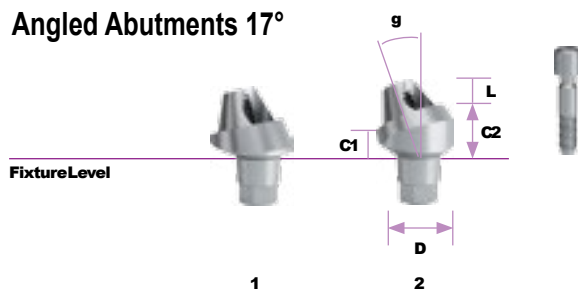
### Straight Abutments



| L   | D | C | Item#     |
|-----|---|---|-----------|
| 2.5 | 5 | 1 | BL-4750/1 |
|     |   | 2 | BL-4750/2 |
|     |   | 3 | BL-4750/3 |

- Material: Titanium grade 5
- Tightening torque 25 Ncm
- Bridge Screw Torque 15 Ncm

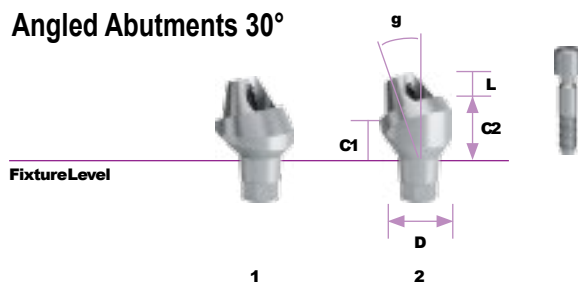
### Angled Abutments 17°



| L   | D   | C1 | C2  | Item#     |
|-----|-----|----|-----|-----------|
| 2.5 | 5.5 | 1  | 2.5 | BL-1750/1 |
|     |     | 2  | 3.5 | BL-1750/2 |

- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque 25 Ncm
- Bridge Screw Torque 15 Ncm

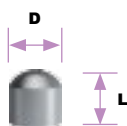
### Angled Abutments 30°



| L   | D   | C1 | C2  | Item#     |
|-----|-----|----|-----|-----------|
| 2.5 | 5.5 | 1  | 3.5 | BL-3050/1 |
|     |     | 2  | 4.5 | BL-3050/2 |

- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque 25 Ncm
- Bridge Screw Torque 15 Ncm

### Screw Retained Healing Cap

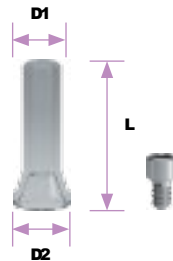


| L   | D | Item#   |
|-----|---|---------|
| 5.7 | 5 | BL-7000 |

- Material: Titanium grade 5

## Screw Retained Restorations

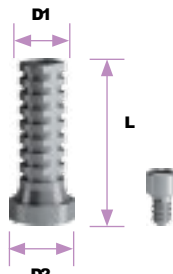
### Castable abutment



| L     | D1  | D2  | Item#   |
|-------|-----|-----|---------|
| 12.45 | 3.3 | 4.6 | BL-5647 |

- Material: POM
- Set includes: Castable abutment and screw

### Temporary titanium abutment



| L  | D1  | D2 | Item#   |
|----|-----|----|---------|
| 12 | 3.5 | 5  | BL-4526 |

- Material: Titanium grade 5
- Set includes: Abutment and screw

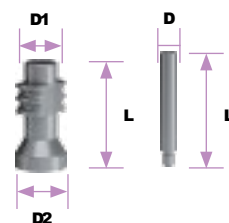
### Closed Tray Transfer



| L | D1  | D2 | Item#   |
|---|-----|----|---------|
| 8 | 4.2 | 5  | BL-7010 |

- Material: Titanium grade 5

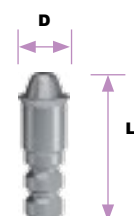
### Open Tray Transfer



| L    | D1  | D2 | Item#   |
|------|-----|----|---------|
| 10.5 | 4.2 | 5  | BL-7011 |
| 15   | 2.1 | -  | BL-7012 |

- Material: Titanium grade 5

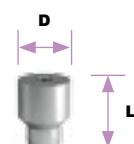
### Analog



| L    | D | Item#   |
|------|---|---------|
| 14.7 | 5 | BL-5146 |

- Material: Titanium grade 5

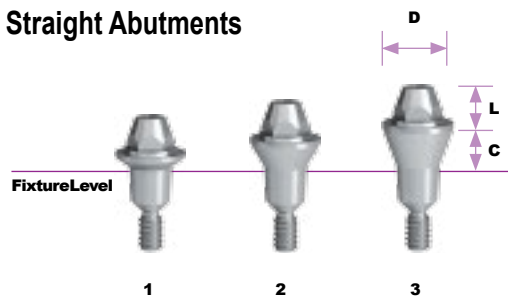
### Multi unit Scan Abutment



| L  | D | Item#      |
|----|---|------------|
| 10 | 8 | EL-MUASCAN |

## Bar Retained Restorations

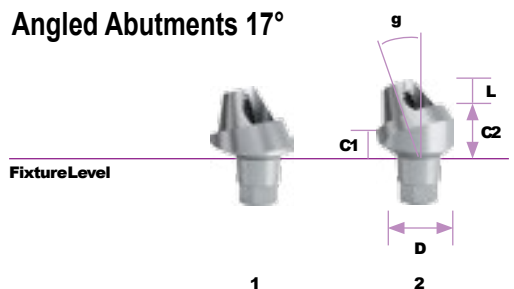
### Straight Abutments



| L   | D | C | Item#     |
|-----|---|---|-----------|
| 2.5 | 5 | 1 | BL-4750/1 |
|     |   | 2 | BL-4750/2 |
|     |   | 3 | BL-4750/3 |

- Material: Titanium grade 5
- Tightening torque 25 Ncm
- Bridge Screw Torque 15 Ncm

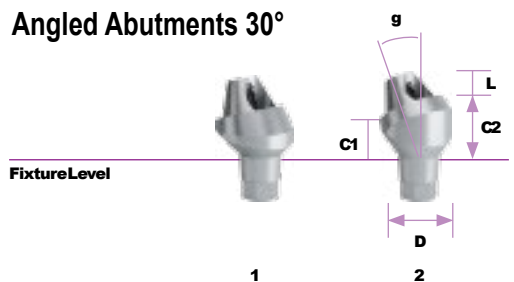
### Angled Abutments 17°



| L   | D   | C1 | C2  | Item#     |
|-----|-----|----|-----|-----------|
| 2.5 | 5.5 | 1  | 2.5 | BL-1750/1 |
|     |     | 2  | 3.5 | BL-1750/2 |

- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque 25 Ncm
- Bridge Screw Torque 15 Ncm

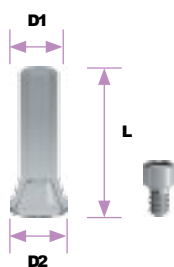
### Angled Abutments 30°



| L   | D   | C1 | C2  | Item#     |
|-----|-----|----|-----|-----------|
| 2.5 | 5.5 | 1  | 3.5 | BL-3050/1 |
|     |     | 2  | 4.5 | BL-3050/2 |

- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque 25 Ncm
- Bridge Screw Torque 15 Ncm

### Castable abutment

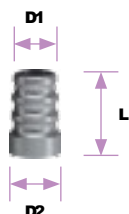


| L     | D1  | D2  | Item#   |
|-------|-----|-----|---------|
| 12.45 | 3.3 | 4.6 | BL-5647 |

- Material: POM
- Set includes: Castable abutment and screw

## Bar Retained Restorations

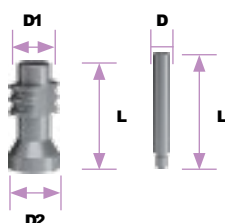
### Closed Tray Transfer



| L | D1  | D2 | Item#   |
|---|-----|----|---------|
| 8 | 4.2 | 5  | BL-7010 |

- Material: Titanium grade 5

### Open Tray Transfer



| L    | D1  | D2 | Item#   |
|------|-----|----|---------|
| 10.5 | 4.2 | 5  | BL-7011 |
| 15   | 2.1 | -  | BL-7012 |

- Material: Titanium grade 5

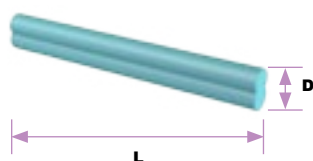
### Analog



| L    | D | Item#   |
|------|---|---------|
| 14.7 | 5 | BL-5146 |

- Material: Titanium grade 5

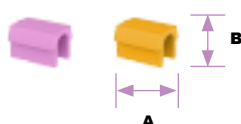
### OT-bar



| L  | D | Item#  |
|----|---|--------|
| 23 | 2 | 0220BB |

- Material: plastic  
- Set includes: 2 pcs.

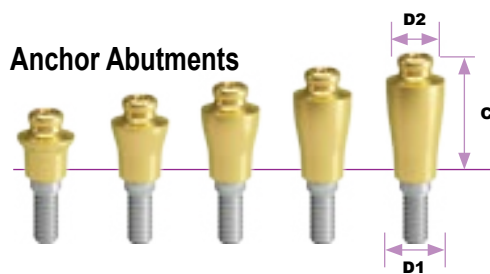
### Bar Clip



| A | B | Item#  | Retention |
|---|---|--------|-----------|
| 5 | 3 | 027CRR | soft      |
|   |   | 027CRG | medium    |

- Material: plastic  
- Set includes: 4 pcs.

## Overdenture Anchor Retained System



| D1  | D2  | C   | Item#  |
|-----|-----|-----|--------|
| 4.3 | 2.5 | 2.4 | 130BL1 |
|     |     | 3.4 | 130BL2 |
|     |     | 4.4 | 130BL3 |
|     |     | 5.4 | 130BL4 |
|     |     | 6.4 | 130BL5 |

- **Material:** Titanium
- **Set includes:** 1 anchor abutment, 1 stainless steel housing (140CEV), 1 retentive cap white (140CET), 1 retentive cap pink (140CER), 1 retentive cap yellow (140CEG).
- **Tightening torque** 25 Ncm

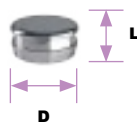
### Anchor Abutment Analogue



| D1  | D2  | L    | Item# |
|-----|-----|------|-------|
| 4.3 | 2.5 | 15.6 | 144AE |

- **Material:** Aisi 303
- **Set includes:** 2 analogs

### Anchor Abutment Housings



| D   | L    | Item#  |
|-----|------|--------|
| 4.5 | 1.98 | 141CAE |

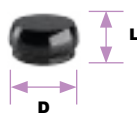
- **Material:** Aisi 303
- **Set includes:** 2 housings



| D    | L    | Item#  | Retention  |
|------|------|--------|------------|
| 3.85 | 1.73 | 140CEV | strong     |
|      |      | 140CET | standard   |
|      |      | 140CER | soft       |
|      |      | 140CEG | extra soft |

- **Material:** Plastic material
- **Set includes:** 4 caps

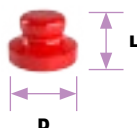
### Lab Cap



| D    | L    | Item#  |
|------|------|--------|
| 3.85 | 1.73 | 140CEN |

- **Material:** Plastic material
- **Set includes:** 4 caps

### Castable Cap



| D   | L | Item# |
|-----|---|-------|
| 4.3 | 3 | 151SS |

## Overdenture Anchor Retained System

### Anchor Abutment Impression Cap



| D   | L | Item#  |
|-----|---|--------|
| 3.7 | 9 | 144MTE |

- **Material:** Plastic material
- **Set includes:** 2 impression caping



| D   | L   | Item#   |
|-----|-----|---------|
| 4.6 | 5.5 | 044CAIN |

- **Material:** Aisi 303
- **Set includes:** 2 impression caping

### Insertion Tools For Caps



| D  | L  | Item#  |
|----|----|--------|
| 11 | 83 | 124ICP |

- **Material:** Plastic material
- **Set includes:** 1 multiuse plastic tool



| D | L  | Item#  |
|---|----|--------|
| 4 | 40 | 185IAC |

- **Material:** Aisi 303
- **Set includes:** 1 multiuse insertion tool



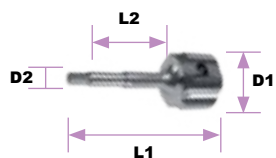
| D | L  | Item#  |
|---|----|--------|
| 4 | 40 | 191ECS |

- **Material:** Aisi 420 tempered
- **Set includes:** 1 multiuse extector tool



## Overdenture Anchor Retained System

### Anchor Abutment Screw Driver



| D1 | D2  | L1 | L2   | Item# |
|----|-----|----|------|-------|
| 9  | 3.5 | 17 | 10.5 | 774CQ |

- Material: Aisi 420 tempered
- Set includes: 1 multiuse screw driver



| D1  | L  | Item# |
|-----|----|-------|
| 2.3 | 22 | 760CE |

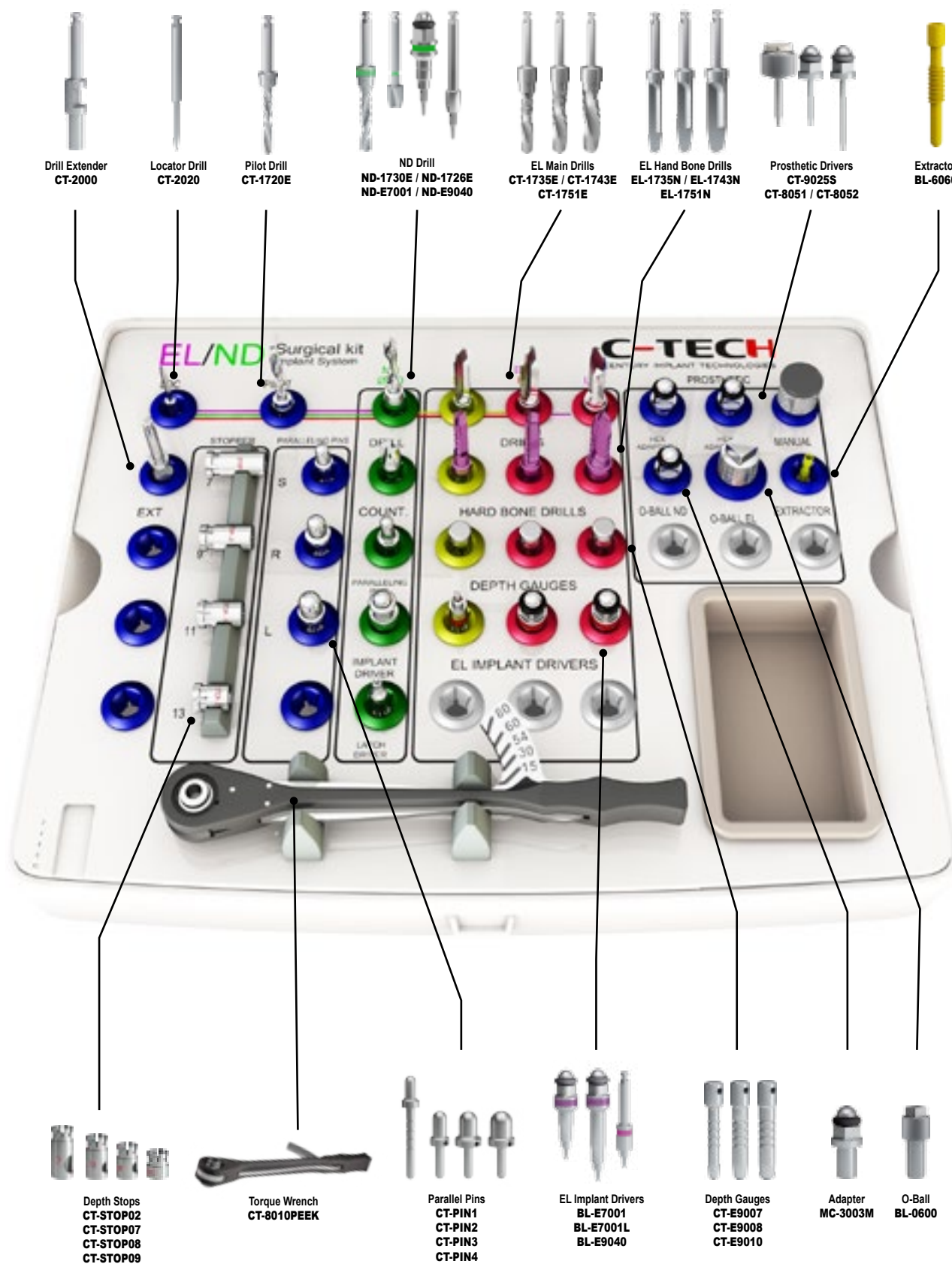
- Material: Aisi 420 tempered
- Set includes: 1 multiuse screw driver

### O-Ball Abutment driver



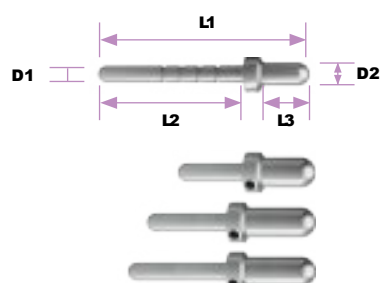
| L    | D1  | D2  | Item#   |
|------|-----|-----|---------|
| 19.3 | 7.9 | 4.8 | BL-0600 |

## Surgical KIT



## Surgical Instruments

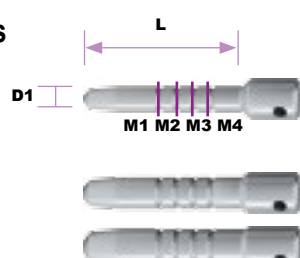
### Parallel Pins



| L1   | L2   | L3  | D1  | D2  | Item#   |
|------|------|-----|-----|-----|---------|
| 23.5 | 16.5 | 5.5 | 1.9 | 2.5 | CT-PIN1 |
| 14   | 7    | 5.5 |     | 3   | CT-PIN2 |
| 17.5 | 7    | 9   |     | 3   | CT-PIN5 |
| 19.5 | 9    | 9   |     | 3   | CT-PIN6 |

- Material: Titanium grade 5

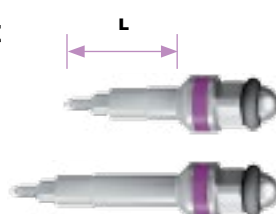
### Depth Gauges



| L    | D   | Item#    |    |    |    |
|------|-----|----------|----|----|----|
| 18.5 | 3   | CT-E9007 |    |    |    |
|      | 3.8 | CT-E9008 |    |    |    |
|      | 4.6 | CT-E9010 |    |    |    |
|      |     | M1       | M2 | M3 | M4 |
|      |     | 7        | 9  | 11 | 13 |

- Material: Titanium grade 5

### Implant Ratchet Drivers



| L    | Item#     |
|------|-----------|
| 10.8 | BL-E7001  |
| 17.8 | BL-E7001L |

- Material: Stainless Steel  
- Drivers with implant retention

### Implant Driver

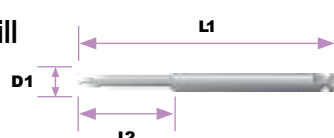


| L    | Item#    |
|------|----------|
| 11.8 | BL-E9040 |

- Material: Stainless Steel  
- Drivers with implant retention



### Locator Drill

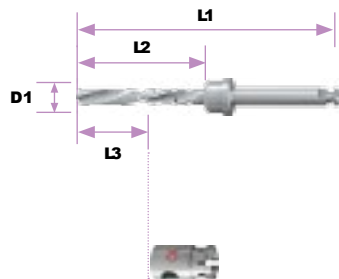


| L1 | L2 | D   | Item#   |
|----|----|-----|---------|
| 29 | 15 | 1.6 | CT-2020 |

- Usage: 30 Patient/Sterilizations  
- Material: Stainless Steel

## Surgical Instruments

### Initial Drill



\* Metal stoppers can not be mounted on Ø 5.1 drills

|       |         |
|-------|---------|
| D     | 2.1     |
| L1    | 35.2    |
| L2    | 17.2    |
| Item# | CT-1720 |

- Usage: 30 Patient/Sterilizations
- Material: Stainless Steel

| L3   | Drill Stop |
|------|------------|
| 8.8  | CT-STOP01  |
| 10.8 | CT-STOP03  |
| 12.8 | CT-STOP12  |
| 14.8 | CT-STOP14  |

- Material: Stainless Steel

**IMPORTANT:** The apex/cutting edge of the drill measures 0.8mm. Thus 0.8mm must be added to the drill stop length or the drill marking.

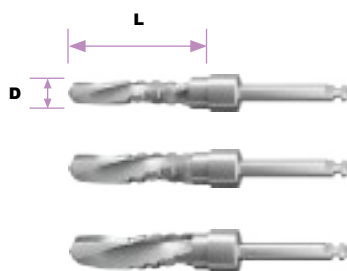
### Drill Extender



| L  | Item#   |
|----|---------|
| 25 | CT-2000 |

- Material: Stainless Steel

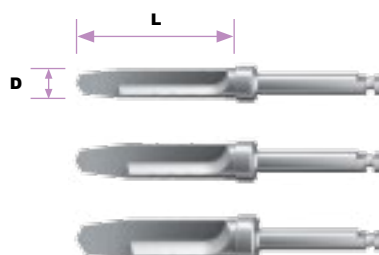
### Main Drills



| L    | D   | Fixture | Ø 3.8    | Ø 4.3    | Ø 5.1    |
|------|-----|---------|----------|----------|----------|
| 19.2 | 3.2 |         | CT-1735E | -        | -        |
|      | 4   |         | -        | CT-1743E | -        |
|      | 4.6 |         |          | -        | CT-1751E |

- Usage: 30 Patient/Sterilizations
- Material: Stainless Steel

### Hard Bone Drills

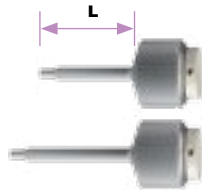


| L     | D    | Fixture | Ø 3.8    | Ø 4.3    | Ø 5.1    |
|-------|------|---------|----------|----------|----------|
| 18.66 | 3.45 |         | CT-1735N | -        | -        |
|       | 4.1  |         | -        | CT-1743N | -        |
|       | 4.88 |         |          | -        | CT-1751N |

- Usage: 30 Patient/Sterilizations
- Material: Titanium grade 5

## Surgical Instruments

Prosthetic Swivel  
Finger Driver



| L    | Item#    |
|------|----------|
| 12.5 | CT-9025S |
| 18.5 | CT-9025  |

- Material: Stainless Steel and PEEK

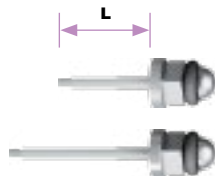
Prosthetic  
Latch Driver



| L    | Item#   |
|------|---------|
| 26.5 | CT-9019 |

- Material: Stainless steel

Prosthetic  
Ratchet Driver



| L    | Item#   |
|------|---------|
| 12.5 | CT-8051 |
| 18.5 | CT-8052 |

- Material: Stainless steel & FDA Buna

Prosthetic  
Extractor



| L    | Item#   |
|------|---------|
| 14.2 | BL-6060 |

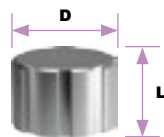
Latch Driver  
Prosthetic  
Extractor



| L     | Item#   |
|-------|---------|
| 34.25 | BL-6061 |

Material: Stainless steel

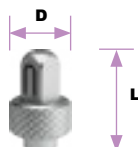
Finger Adapter



| L   | D    | Item#    |
|-----|------|----------|
| 5.8 | 12.7 | CT-E7002 |

Finger adaptor for ratchet drivers

Finger Adapter



| L    | D | Item#    |
|------|---|----------|
| 8.61 | 8 | CT-E7003 |

Finger/ratchet adaptor for latch drivers

Torque Wrench



| Variable | Item#       |
|----------|-------------|
| to 80Ncm | CT-8010PEEK |

- Material: PEEK

### Proper Implant Driver Seating

Makesurethatthedriveriscompletelyseatedintheimplantpriorto applying any torque.

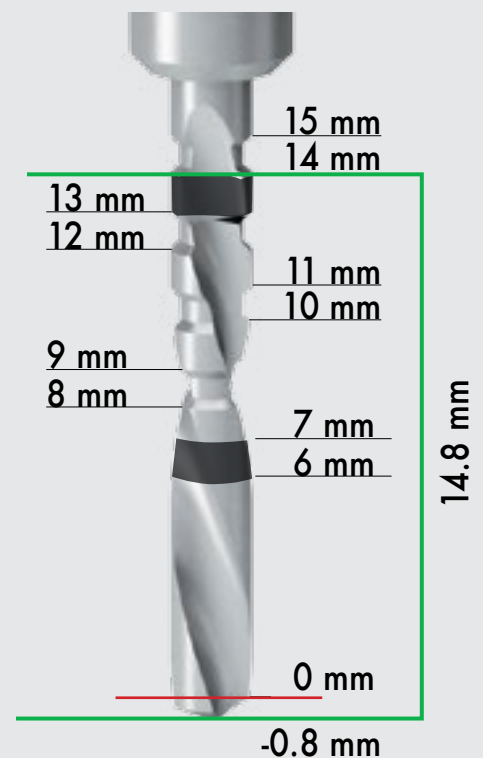


RIGHT

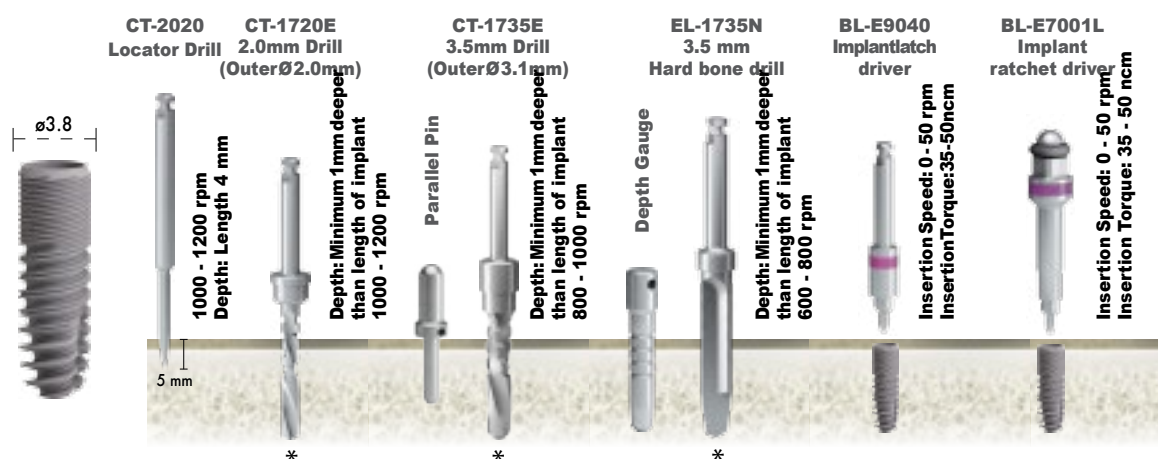
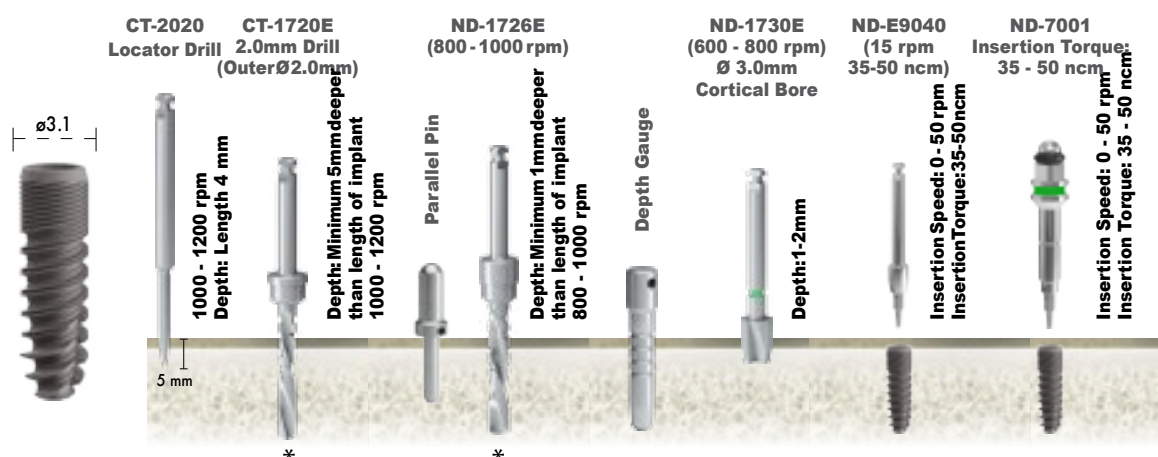
WRONG

### Explanation of Drill Marking

- \* The drill markings do not include the point of the drill.
- \* The point of the drill is 0.8 mm long, thus the drill marking of 6 mm is actually 6.8 mm from the very tip to the bottom of the first black line
- \* The implant should be set approximately 1 mm subcrestally, thus for a 13 mm implant, one should drill to the 14 mm marking, which corresponds to the top of the top line

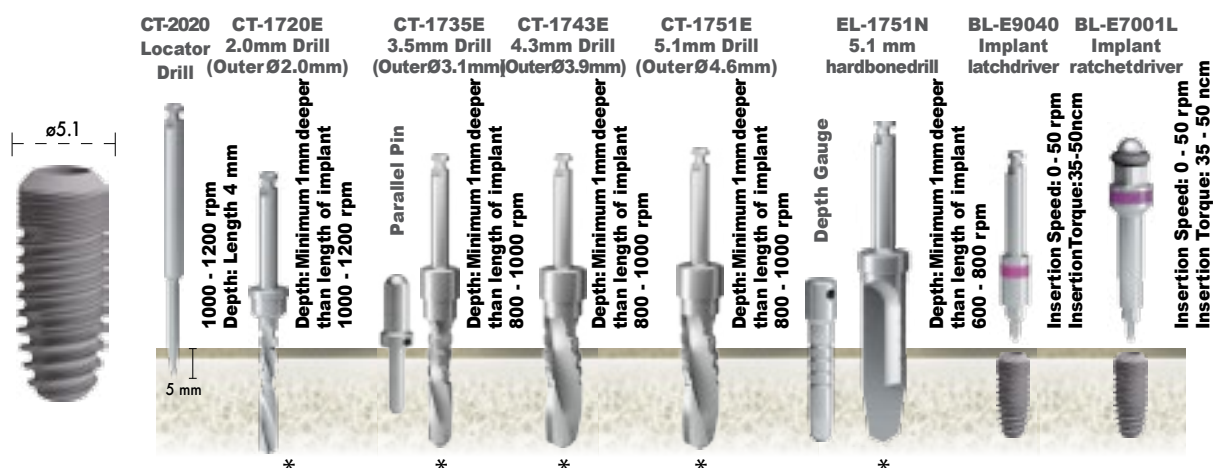
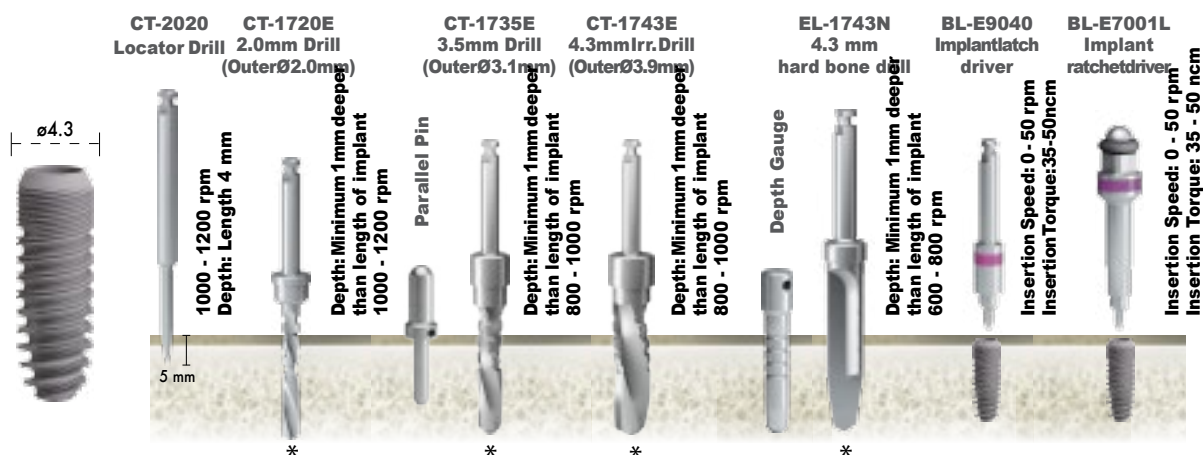


## Site Preparation



**\*Depth: Minimum 1mm deeper than length of implant is to allow for subcrestal seating.**

*Note: an additional 0.8 mm must be added to the length of the drill due to the length of the angled cutting tip*



\*Depth: Minimum 1mm deeper than length of implant is to allow for subcrestal seating.

Note: an additional 0.8 mm must be added to the length of the drill due to the length of the angled cutting tip







# ND

## NARROW DIAMETER implant



|                                                        |           |
|--------------------------------------------------------|-----------|
| <b>System Flowchart .....</b>                          | <b>42</b> |
| <b>Product Distinctions .....</b>                      | <b>44</b> |
| <b>Fixture Dimensions .....</b>                        | <b>45</b> |
| <b>Healing Abutments .....</b>                         | <b>46</b> |
| <b>Restorative Products/Titanium Abutments .....</b>   | <b>47</b> |
| <b>Restorative Products/Impression Transfers .....</b> | <b>49</b> |
| <b>Overdenture - Retained Restorations .....</b>       | <b>51</b> |
| <b>Surgical Instruments .....</b>                      | <b>53</b> |
| <b>Implant Placement .....</b>                         | <b>56</b> |
| <b>Site Preparation .....</b>                          | <b>57</b> |

**C-TECH**

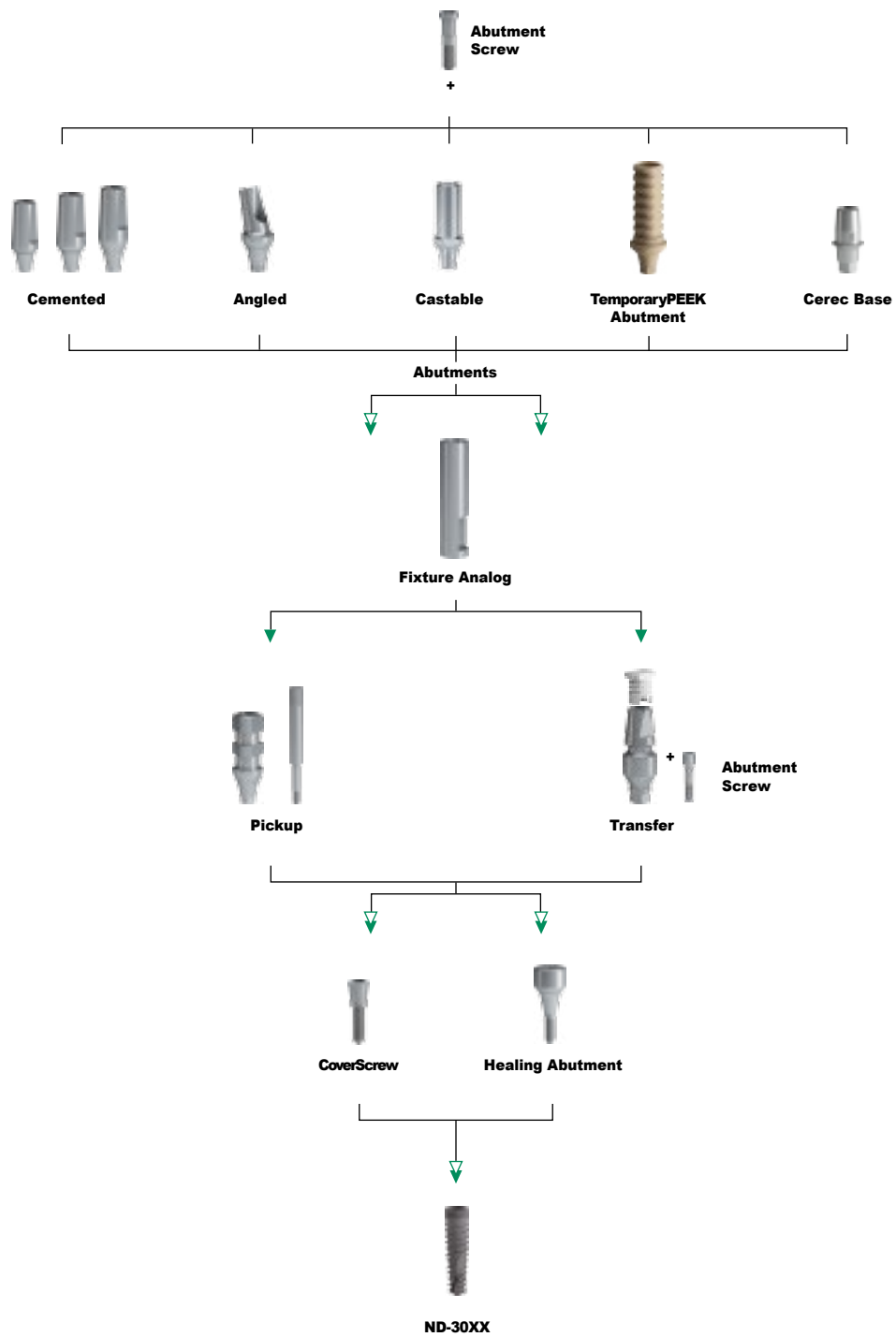
[www.c-tech-implant.com](http://www.c-tech-implant.com)

## System Flowchart

**Cement-Retained Restorations - Cemented Abutment**

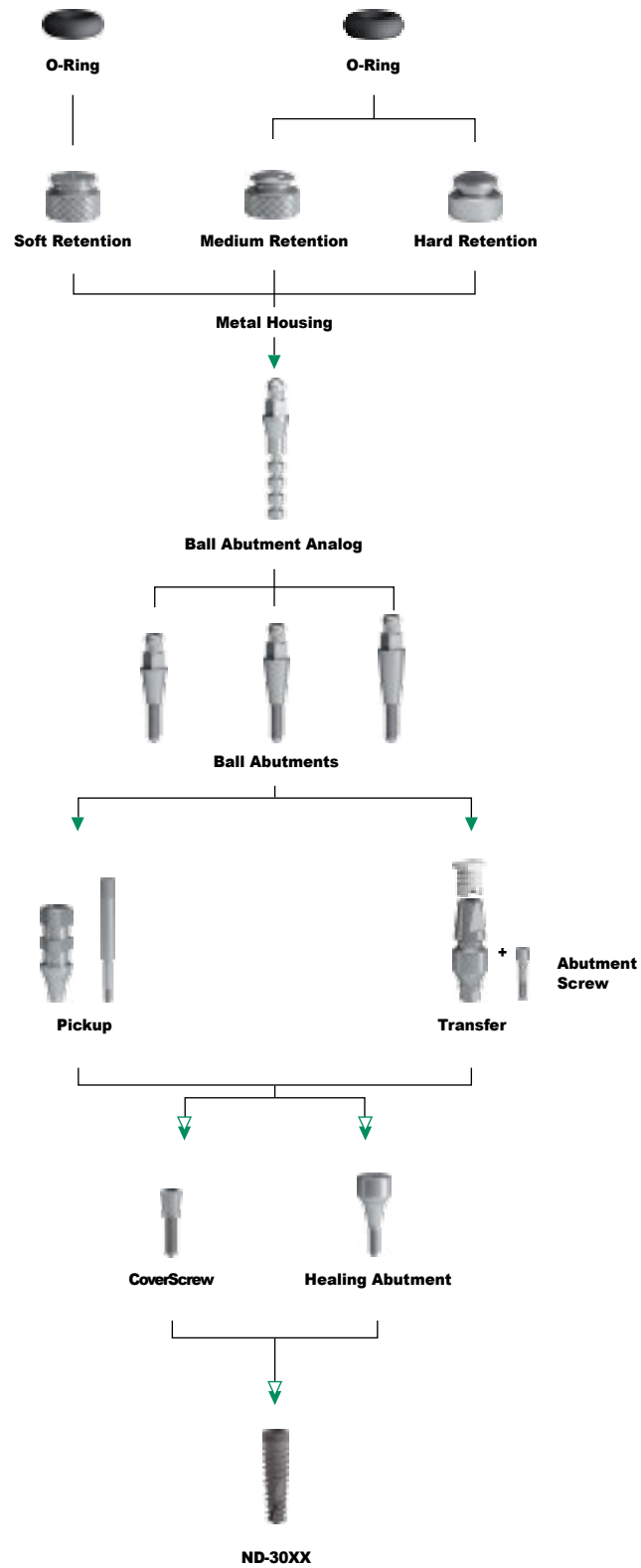
**Cement-Retained Restorations - Angled Abutment**

**Screw-Retained Restorations - Castable Abutment**



## System Flowchart

### Overdenture-Retained Restorations - Ball Abutment



## Product Distinctions

### 1 Narrow Profile

- Ideal for small spaces
- Reduces need for bone augmentation

### 2 Platform Switching

- Facilitates optimal emergence profile
- Maintenance of crestal bone

### 3 Micro Grooving

- Softens forces to the cortical bone during insertion
- Cortical bone maintenance

### 4 Internal Hex Conical Connection

- Platform stability

### 5 Generous Main Body Threading

- Increased bone to implant contact
- Facilitation of immediate implant placement

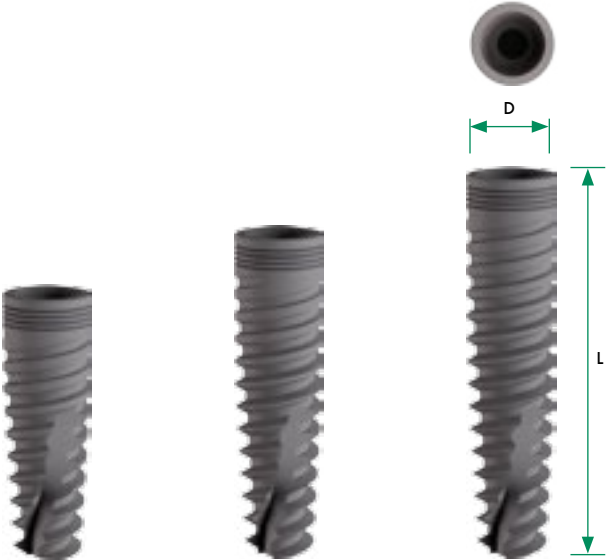
### 6 Aggressive Apical Threading

- Initial primary stability
- Increased BIC





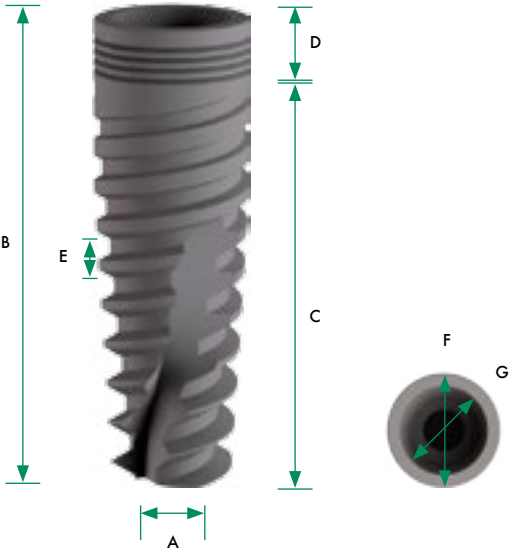
### Fixture



| L \ D | Ø 3.0   |
|-------|---------|
| 9     | ND-3009 |
| 11    | ND-3011 |
| 13    | ND-3013 |

ND Implant

### Fixture Dimensions



| Fixture | Ø 3.0            |
|---------|------------------|
| A       | 2.3              |
| B       | 9 / 11 / 13      |
| C       | 7.6 / 9.6 / 11.6 |
| D       | 1.4              |
| E       | 1                |
| F       | 3                |
| G       | 2.3              |

## Healing Abutments

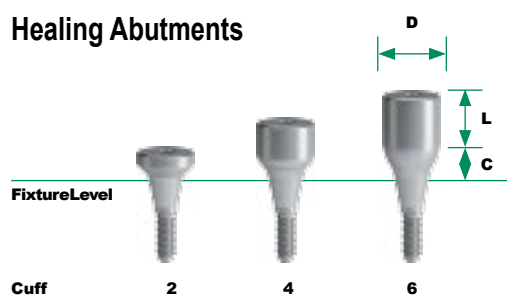
### Headless Cover Screw



| L   | Ø 3     |
|-----|---------|
| 5.8 | ND-3008 |

- Fits 1.25 prosthetic Hex Driver
- Tightening torque 10 Ncm

### Healing Abutments



| D   | L   | C | Fixture | Ø 3     |
|-----|-----|---|---------|---------|
| 3.8 | 0.7 | 2 |         | ND-3022 |
|     | 1   | 4 |         | ND-3024 |
|     | 1.5 | 6 |         | ND-3026 |

- Tightening torque 15 Ncm

Cuff

2

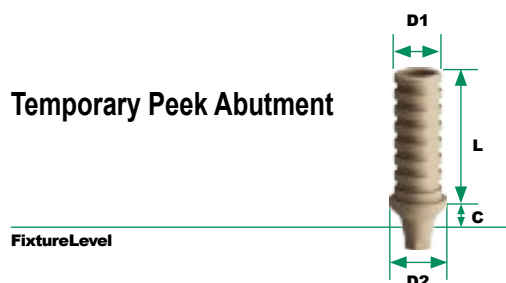
4

6

## Restorative Products

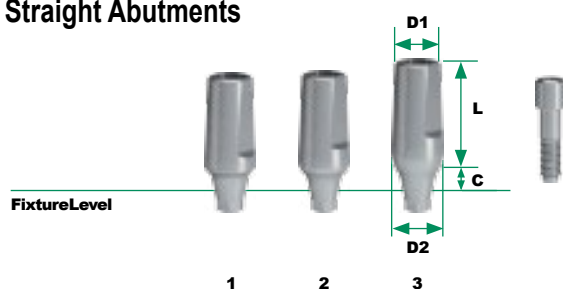
### Titanium Abutments

#### Temporary Peek Abutment



| D1  | D2 | L | C | Ø 3     |
|-----|----|---|---|---------|
| 3.8 | 4  | 8 | 1 | ND-TEMP |

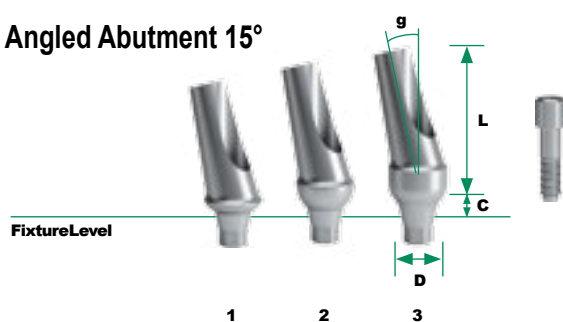
#### Straight Abutments



| D1  | D2 | L | C | Ø 3       |
|-----|----|---|---|-----------|
| 3.8 | 4  | 8 | 1 | ND-3025-1 |
|     |    |   | 2 | ND-3025-2 |
|     |    |   | 3 | ND-3025-3 |

- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque: 20Ncm

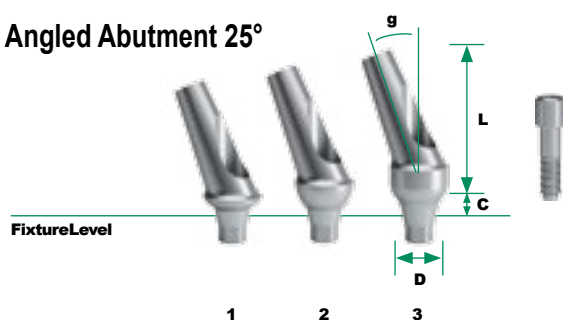
#### Angled Abutment 15°



| D | L | C | Ø 3       |
|---|---|---|-----------|
| 4 | 6 | 1 | ND-1530/1 |
|   |   | 2 | ND-1530   |
|   |   | 3 | ND-1530/3 |

- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque: 20Ncm

#### Angled Abutment 25°



| D | L | C | Ø 3       |
|---|---|---|-----------|
| 4 | 6 | 1 | ND-2530/1 |
|   |   | 2 | ND-2530/2 |
|   |   | 3 | ND-2530/3 |

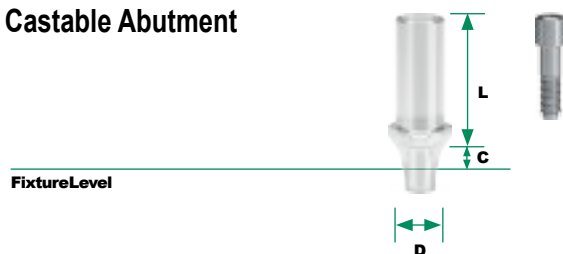
- Material: Titanium grade 5
- Set includes: Abutment and screw
- Tightening torque: 20Ncm



## Restorative Products

### Titanium Abutments

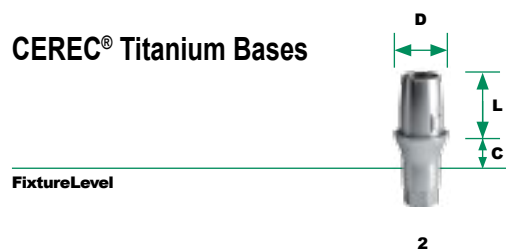
#### Castable Abutment



| D   | L   | C | Ø 3     |
|-----|-----|---|---------|
| 3.8 | 7.5 | 2 | ND-5830 |

- Material: Base in titanium grade 5 and POM
- Set includes: Abutment and screw
- Tightening torque: 20Ncm

#### CEREC® Titanium Bases

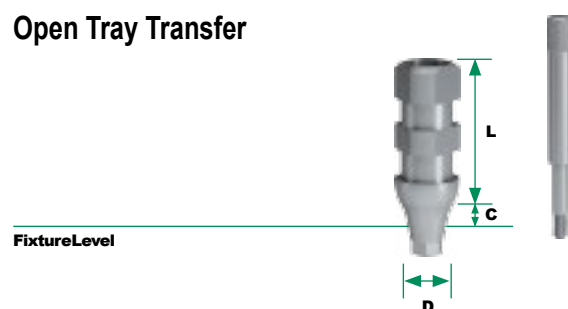


| L    | D    | C | Fixture | Ø 3     |
|------|------|---|---------|---------|
| 4.65 | 4.25 | 2 |         | ND-6047 |

## Restorative Products

### Impression Transfers

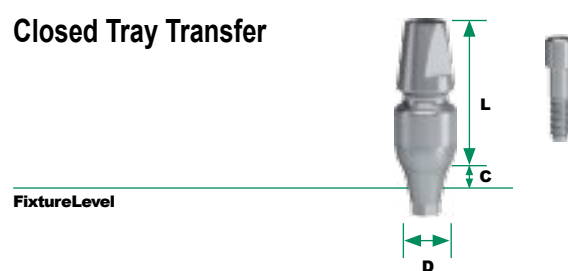
#### Open Tray Transfer



| D   | L   | C | Ø 3     |
|-----|-----|---|---------|
| 3.8 | 7.5 | 2 | ND-3040 |

- Material: Titanium grade 5
- Set includes: Transfer and screw

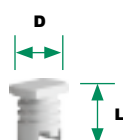
#### Closed Tray Transfer



| D   | L    | C | Ø 3       |
|-----|------|---|-----------|
| 3.8 | 11.5 | 2 | ND-3040/2 |

- Material: Titanium grade 5, POM
- Set includes: Plastic cap, transfer and screw

#### Impression Cap



| L | D | Item#   |
|---|---|---------|
| 5 | 4 | BL-4543 |

- Material POM

#### Fixture Analog

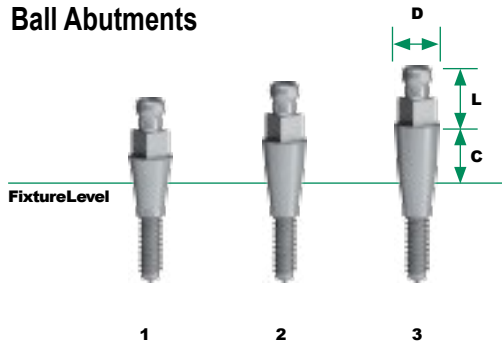


| D   | L  | Ø 3     |
|-----|----|---------|
| 3.1 | 15 | ND-3042 |

- Material: Titanium grade 5

## Overdenture - Retained Restorations

### Ball Abutments



| D   | L    | C | Ø 3     |
|-----|------|---|---------|
| 3.8 | 3.77 | 1 | ND-5641 |
|     |      | 2 | ND-5642 |
|     |      | 3 | ND-5643 |

- Set includes: Abutment, Housing and O-ring
- Material: Abutment and Housing in Titanium grade 5 and O-ring in FDA Buna
- Tightening torque 20 Ncm

### Metal Housing



| D    | L    | Item# |
|------|------|-------|
| 4.6  | 3.5  | MCH-1 |
| 4.21 | 3.2  | MCH-2 |
| 4    | 2.97 | MCH-3 |

- Includes: Housing and O-ring
- Material: Housing in Titanium grade 5 and O-ring in FDA Buna

### O-Ring



| D    | Item#    |
|------|----------|
| 3.88 | MC-3005  |
| 4.46 | MC-3005B |

- Package Contents: O-Ring (5 piece)
- Material: FDA Buna

## Overdenture - Retained Restorations

### Analog



| D   | L    | Item#   |
|-----|------|---------|
| 2.6 | 15.8 | MC-3007 |

- Material: Stainless Steel

### Impression Cap



| D   | L    | Item#   |
|-----|------|---------|
| 4.5 | 6.45 | MC-3014 |

- Material: POM

### Temp Cap

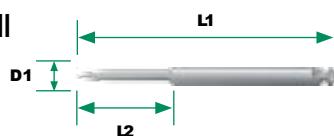


| D    | L | Item#   |
|------|---|---------|
| 4.08 | 7 | MC-3013 |

- Material: POM

## Surgical Instruments

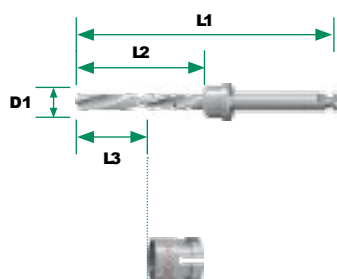
### Locator Drill



| L1 | L2 | D    | Item#   |
|----|----|------|---------|
| 29 | 15 | 0.76 | CT-2020 |

- Material: Stainless steel

### Initial Drill



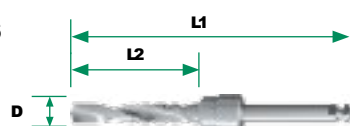
| D     | 2.1     |
|-------|---------|
| L1    | 35.2    |
| L2    | 17.2    |
| Item# | CT-1720 |

- Material: Stainless steel  
- Usage: 30 Patient/Sterilizations

| L3 | Drille Stopper |
|----|----------------|
| 9  | CT-STOP07      |
| 11 | CT-STOP08      |
| 13 | CT-STOP09      |

- Material: Stainless steel

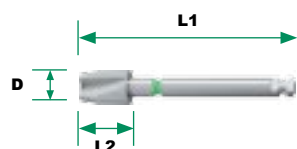
### Main Drills



| D     | 2.6      |
|-------|----------|
| L1    | 36.7     |
| L2    | 17.2     |
| Item# | ND-1726E |

- Material: Stainless steel  
- Usage: 30 Patient/Sterilizations

### Counter bore



| D     | 3       |
|-------|---------|
| L1    | 26      |
| L2    | 6       |
| Item# | ND-1730 |

- Material: Stainless steel  
- Usage: 30 Patient/Sterilizations

## Surgical Instruments

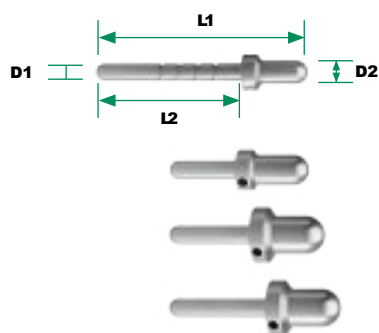
### Drill Extender



| L  | Item#   |
|----|---------|
| 25 | CT-2000 |

- Material: Stainless steel

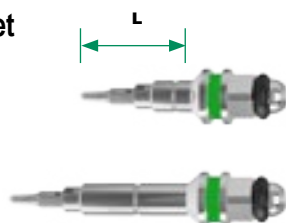
### Parallel Pins



| L1   | L2   | D1  | D2  | Item#   |
|------|------|-----|-----|---------|
| 23.5 | 16.5 | 1.9 | 2.5 | CT-PIN1 |
| 14   | 7.0  |     | 1.3 | CT-PIN2 |
| 14   | 7    |     | 3.8 | CT-PIN3 |
| 14   | 7    |     | 4.6 | CT-PIN4 |

- Material: Material: Stainless steel
- Hole for retaining floss

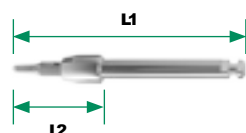
### Implant Ratchet Drivers



| L     | Item#     |
|-------|-----------|
| 9.85  | ND-E7001  |
| 17.75 | ND-E7001L |

- Material: Stainless steel and FDA Buna

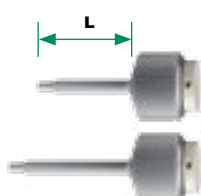
### Implant Driver



| L1   | L2   | Item#    |
|------|------|----------|
| 27.2 | 10.2 | ND-E9040 |

- Material: Stainless steel

### Prosthetic Swivel Finger Driver



| L    | Item#    |
|------|----------|
| 12.5 | CT-9025S |
| 18.5 | CT-9025  |

- Material: Stainless Steel and PEEK

## Surgical Instruments

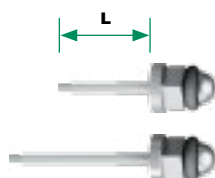
Prosthetic Latch  
Driver



| L    | Item#   |
|------|---------|
| 26.5 | CT-9019 |

- Material: Stainless steel

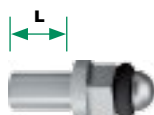
Prosthetic Ratchet  
Driver



| L    | Item#   |
|------|---------|
| 12.5 | CT-8051 |
| 18.5 | CT-8052 |

- Material: Stainless steel and FDA Buna

O-ball Adaptor



| L    | Item#    |
|------|----------|
| 10.3 | MC-3003M |

- Material: Stainless steel and FDA Buna

Torque Wrench



| Variable | Item#       |
|----------|-------------|
| to 80Ncm | CT-8010PEEK |

- Material: Stainless steel and PEEK

## Implant Placement

### Proper Implant Driver Seating

Makesurethatthedriveriscompletelyseatedintheimplantpriorto applying any torque.



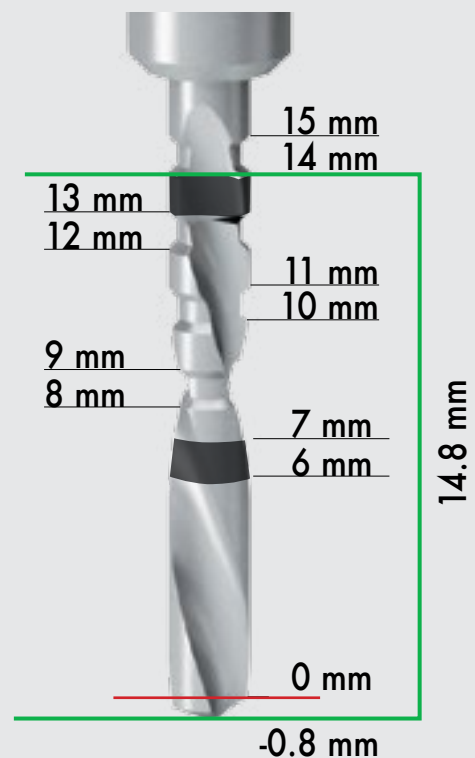
RIGHT

WRONG

ND Implant

### Explanation of Drill Marking

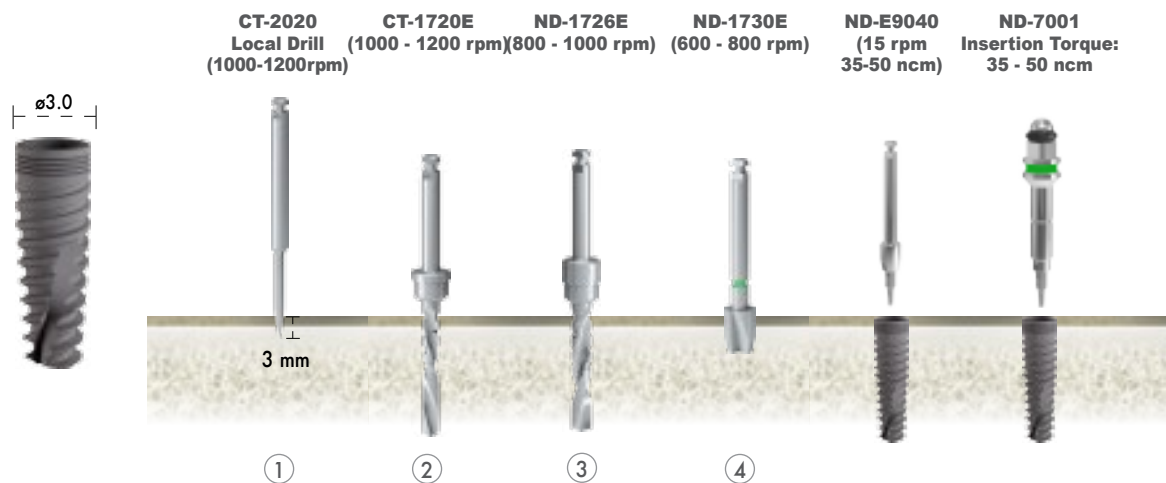
- \* The drill markings do not include the point of the drill.
- \* The point of the drill is 0.8 mm long, thus the drill marking of 6 mm is actually 6.8 mm from the very tip to the bottom of the first black line
- \* The implant should be set approximately 1 mm subcrestally, thus for a 13 mm implant, one should drill to the 14 mm marking, which corresponds to the top of the top line





## Site Preparation

### FOR DENSITY D1/D2



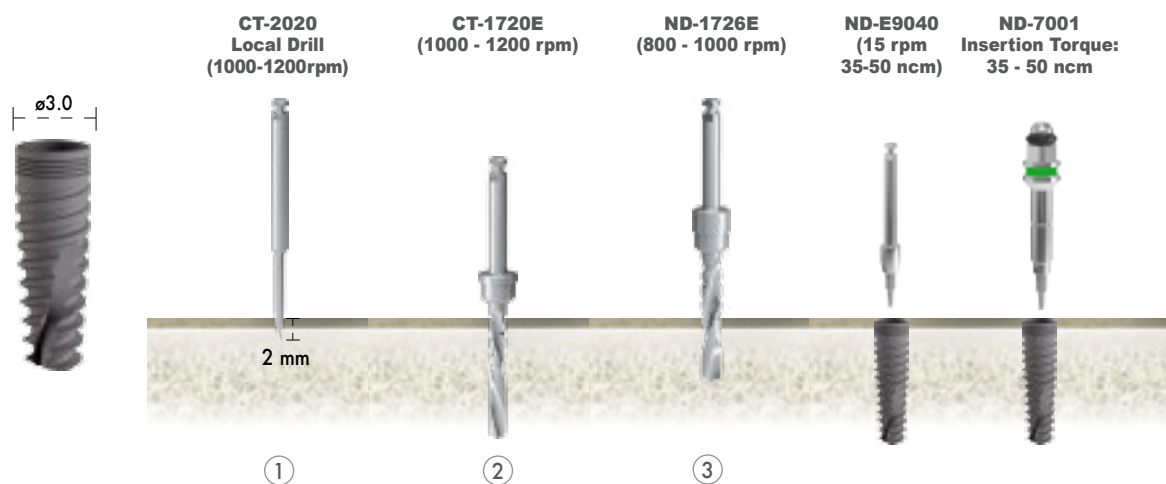
**STEP 1: Perforate the cortical plate with the locator drill (CT-2020)**

**STEP 2: Drill whole length of implant with 2 mm drill (CT-1720E)**

**STEP 3: Drill whole length of implant with 2.6 mm drill (ND-1726E)**

**STEP 4: In case of very compact bone: use 3 mm counterbore for 2 mm depth (ND-1730E)**

### FOR DENSITY D3



**STEP 1: Perforate the cortical plate with the locator drill (CT-2020)**

**STEP 2: Drill whole length of implant with 2 mm drill (CT-1720E)**

**STEP 3: Drill 1/3 length of implant with 2.6 mm drill (ND-1726E)**















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